



Redfish

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Redfish Property Guide

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This document's normative language is English. Translation into other languages is permitted.

Overview

The Redfish standard comprises a set of specifications maintained by the Redfish Forum, a working group within the DMTF. The standard defines a protocol that uses RESTful interfaces to provide access to data and operations associated with the management of systems and networks. One of the strengths of the Redfish protocol is that it works with a wide range of servers: from stand-alone servers to rack-mount and bladed environments to large-scale data centers and cloud environments.

The Redfish standard addresses several key issues for infrastructures that require scalability. Large infrastructures often consist of many simple servers of different makes and types. This hyper-scale usage model requires a new approach to systems management. The Redfish Scalable Platforms Management ("Redfish") protocol addresses these needs by providing a standard protocol based on out-of-band systems management.

With the above goals in mind, the Redfish protocol was designed as an open industry standard to meet scalability requirements in multi-vendor deployments. It easily integrates with commonly used tools, using RESTful interfaces to perform operations and using JSON and OData formats for data payloads.

Who should read this document?

This document is intended primarily as a reference for schema authors to locate existing property definitions within the Redfish Schema. End users and other consumers of Redfish data may also use this guide to look up property definitions without regard to their location in the schema.

Where can I find more information?

The following web sites provide more information about the Redfish standard:

- **Redfish Developer Hub:** <http://redfish.dmtf.org> Resources for developers building applications using Redfish. Contains an interactive schema explorer, hosted schema and other links.
- **Redfish User Forum:** <http://www.redfishforum.com> User forum monitored by DMTF Redfish personnel to answer questions about any Redfish-related topics:
- **DMTF Github Repositories:** <http://www.github.com/DMTF> Open source tools and libraries for working with the Redfish API.
- **Redfish Standards:** <http://www.dmtf.org/standards/redfish> Schemas, specs, mockups, white papers, FAQ, educational material and more.
- **DMTF Redfish Forum** (Working group that maintains the Redfish standard): <http://www.dmtf.org/standards/spmf> Companies involved, upcoming schedules and future work, charter, and information about joining.

Using this guide

Every Redfish API response consists of a JSON payload containing properties that are strictly defined by a schema for that resource. The schema defining a particular resource can be determined from the value of the "@odata.type" property returned in every Redfish response. This guide details the definitions for every Redfish standard property defined in the DMTF-published Redfish schemas.

The property-level details include:

Column	Purpose
Property Name	The name of the JSON property as it will appear (case sensitive) in the JSON payload.
Defined in Schema(s)	The name(s) of the Redfish schema(s) where this property is defined, and therefore which resources it may appear in. For properties that appear within embedded JSON objects, the object name will be shown in parenthesis.
Type	The JSON data type(s) for the property. This can include boolean, number, string or object. String types that use defined enumerations will state "(enum)". Number types will state their units where used.
Description	The description of the property, as copied directly from the schema 'Description' definition, or, for properties that appear in multiple schemas, a general description of its usage in any of the listed schemas.

Reference Guide

This guide was produced using the contents of the schema files from DMTF Redfish Schema bundle DSP8010 and merged with supplemental text using the DMTF's [Redfish Documentation Generator](#).

Property Name	Defined In Schema(s)	Type	Description
AccelerationFunction	Processor (FPGA > ReconfigurationSlots)	object	A link to the Acceleration Function provided by the code programmed into a reconfiguration slot.
AccelerationFunctionType	AccelerationFunction	string (enum)	The type of acceleration function.
AccelerationFunctions	Processor	object	A reference to the collection of Acceleration Functions associated with this Processor.
AccountLockoutCounterResetAfter	AccountService	integer	The interval of time in seconds between the last failed login attempt and reset of the lockout threshold counter. This value must be less than or equal to AccountLockoutDuration. Reset sets the counter to zero.
AccountLockoutCounterResetEnabled	AccountService	boolean	The value indicates whether the threshold counter will be reset after AccountLockoutCounterResetAfter expires.
AccountLockoutDuration	AccountService	integer	The time in seconds an account is locked out. The value must be greater than or equal to the value of the AccountLockoutCounterResetAfter property. If set to 0, no lockout occurs.
AccountLockoutThreshold	AccountService	integer	The number of failed login attempts allowed before a user account is locked for a specified duration. A value of 0 means it is never locked.
AccountProviderType	AccountService (ActiveDirectory), AccountService (LDAP), ExternalAccountProvider	string (enum)	This property contains the type of external account provider this resource references.
AccountService	ServiceRoot	object	This is a link to the Account Service.
Accounts	AccountService	object	A link to a collection of Manager Accounts.
Accuracy	MetricDefinition, Sensor	number	Estimated percent error of measured vs. actual values.
Actions	<i>various</i> (AccelerationFunction, AccountService ...)	object	The available actions for this resource.

Activation	Sensor (Thresholds > LowerCaution), Sensor (Thresholds > LowerCritical), Sensor (Thresholds > LowerFatal), Sensor (Thresholds > UpperCaution), Sensor (Thresholds > UpperCritical), Sensor (Thresholds > UpperFatal), Triggers (NumericThresholds > LowerCritical), Triggers (NumericThresholds > LowerWarning), Triggers (NumericThresholds > UpperCritical), Triggers (NumericThresholds > UpperWarning)	string (enum)	The direction of crossing that activates this threshold.
ActiveDirectory	AccountService	object	The first ActiveDirectory external account provider this AccountService supports.
ActiveLinkTechnology	NetworkPort	string (enum)	Network Port Active Link Technology.
AddResourceBlock (Action)	ComputerSystem (Actions)	object	This action is used to add a Resource Block to a system.
AdditionalExternalAccountProviders	AccountService	object	The additional external account providers this AccountService is using.
AddressParityError	MemoryMetrics (HealthData > AlarmTrips)	boolean	Address parity error detected status.
AddressRangeType	MemoryChunks	string (enum)	Memory type of this memory chunk.
AdjustedMaxAllowableOperatingValue	Thermal (Temperatures)	integer	Adjusted maximum allowable operating temperature for this equipment based on the current environmental conditions present.
	Sensor	number	Adjusted maximum allowable operating value for this equipment based on the current environmental conditions present.
AdjustedMinAllowableOperatingValue	Thermal (Temperatures)	integer	Adjusted minimum allowable operating temperature for this equipment based on the current environmental conditions present.
	Sensor	number	Adjusted minimum allowable operating value for this equipment based on the current environmental conditions present.
AlarmTrips	MemoryMetrics (HealthData)	object	Alarm trip information about the memory.

Alias	BootOption	string (enum)	The alias of this Boot Source.
AliasBootOrder	ComputerSystem (Boot)	array	Ordered array of boot source aliases representing the persistent Boot Order associated with this computer system.
AllocationAlignmentMiB	Memory	integer	The boundary which memory regions are allocated on, measured in mebibytes (MiB).
AllocationIncrementMiB	Memory	integer	The size of the smallest unit of allocation for a memory region in mebibytes (MiB).
AllowFIPVLANDiscovery	NetworkDeviceFunction (FibreChannel)	boolean	Whether the FCoE Initialization Protocol (FIP) is used for populating the FCoE VLAN Id.
AllowOverprovisioning	CompositionService	boolean	This indicates whether this service is allowed to overprovision a composition relative to the composition request.
AllowZoneAffinity	CompositionService	boolean	This indicates whether a client is allowed to request that given composition request is fulfilled by a specified Resource Zone.
AllowableValues	ActionInfo (Parameters)	array	A list of values for this parameter supported by this Action target.
AllowedSpeedsMHz	Memory	array	Speed bins supported by this Memory.
AllowsBlockProvisioning	MemoryDomain	boolean	Indicates if this Memory Domain supports the provisioning of blocks of memory.
AllowsMemoryChunkCreation	MemoryDomain	boolean	Indicates if this Memory Domain supports the creation of Memory Chunks.
AllowsMirroring	MemoryDomain	boolean	Indicates if this Memory Domain supports the creation of Memory Chunks with mirroring enabled.
AllowsSparing	MemoryDomain	boolean	Indicates if this Memory Domain supports the creation of Memory Chunks with sparing enabled.
ApparentVA	Sensor	number	The product of Voltage and Current for an AC circuit, in Volt-Amperes units.
AppendLimit	MetricReportDefinition	integer	Indicates the maximum number of entries that can be appended to a metric report. When the metric report reaches its limit, its behavior is dictated by the ReportUpdates property.
ApplyTime	UpdateService (HttpPushUriOptions >	string (enum)	This property indicates when the software update invoked via

	HttpPushUriApplyTime)		HttpPushUri should be applied.
ArchiveFile	JsonSchemaFile (Location), MessageRegistryFile (Location)	string	If the schema is hosted on the service in an archive file, this is the name of the file within the archive.
ArchiveUri	JsonSchemaFile (Location), MessageRegistryFile (Location)	string	If the schema is hosted on the service in an archive file, this is the link to the archive file.
Assemblies	Assembly	array	This is the definition for an assembly information record.
Assembly	Chassis, Drive, Memory, NetworkAdapter, PCIeDevice, Power (PowerSupplies), Processor, Storage (StorageControllers), Thermal (Fans)	object	A reference to the Assembly resource associated with this item.
AssetTag	Chassis, ComputerSystem, Drive, PCIeDevice, Storage (StorageControllers), Switch	string	The user assigned asset tag for this device.
AssignablePhysicalPorts	NetworkDeviceFunction	array	The array of physical port references that this network device function may be assigned to.
AssignedPrivileges	Role	array	The redfish privileges that this role includes.
AssociatedEndpoints	Port (Links)	array	An array of references to the endpoints that connect through this port.
AssociatedNetworkAddresses	NetworkPort	array	The array of configured network addresses (MAC or WWN) that are associated with this Network Port, including the programmed address of the lowest numbered Network Device Function, the configured but not active address if applicable, the address for hardware port teaming, or other network addresses.
AssociatedTask	Drive (Operations), Volume (Operations)	object	A reference to the task associated with the operation if any.
AttributeName	AttributeRegistry (RegistryEntries > Attributes)	string	The unique name of the attribute.
AttributeRegistry	Bios	string	The Resource ID of the Attribute Registry that has the system-specific information about a BIOS resource.
Attributes	AttributeRegistry	array	The array containing the attributes

	(RegistryEntries)		and their possible values.
	Bios	object	The list of BIOS attributes specific to the manufacturer or provider.
AuthFailureLoggingThreshold	AccountService	integer	The number of authorization failures allowed before the failure attempt is logged to the manager log.
AuthNoneRole	HostInterface (Links)	object	A reference to the Role that contains the privileges on this Host Interface when no authentication is performed.
AuthNoneRoleId	HostInterface	string	The Role used when no authentication on this interface is used.
Authentication	AccountService (ActiveDirectory), AccountService (LDAP), ExternalAccountProvider	object	This property contains the authentication information for the external account provider.
AuthenticationMethod	NetworkDeviceFunction (iSCSIBoot)	string (enum)	The iSCSI boot authentication method for this network device function.
AuthenticationModes	HostInterface	array	Indicates the authentication modes available on this interface.
AuthenticationType	AccountService (ActiveDirectory > Authentication), AccountService (LDAP > Authentication), ExternalAccountProvider (Authentication)	string (enum)	This property contains the type of authentication used to connect to the external account provider.
AutoDSTEnabled	Manager	boolean	Indicates whether the manager is configured for automatic DST adjustment.
AutoNeg	EthernetInterface	boolean	This indicates if the speed and duplex are automatically negotiated and configured on this interface.
AutoSpeedNegotiation	NetworkPort (SupportedLinkCapabilities)	boolean	Indicates whether the port has the capability to auto negotiate speed.
AverageConsumedWatts	Power (PowerControl > PowerMetrics)	number	The average power level over the measurement window (the last IntervallInMin minutes).
AverageFrequencyMHz	ProcessorMetrics	number	The average frequency of the processor.
AveragePowerBudgetMilliWatts	Memory (PowerManagementPolicy)	integer	Average power budget in milli watts.
BandwidthPercent	ProcessorMetrics	number	The CPU bandwidth as a percentage.
BaseDistinguishedNames	AccountService (ActiveDirectory > LDAPService >	array	The base distinguished names to use when searching the LDAP

	SearchSettings), AccountService (LDAP > LDAPService > SearchSettings), ExternalAccountProvider (LDAPService > SearchSettings)		service.
BaseModuleType	Memory	string (enum)	The base module type of Memory.
BinaryDataURI	Assembly (Assemblies)	string	URI that provides the ability to access an image of the assembly information.
Bios	ComputerSystem	object	A reference to the BIOS settings associated with this system.
BiosVersion	ComputerSystem	string	The version of the system BIOS or primary system firmware.
BitRate	SerialInterface	string (enum)	The receive and transmit rate of data flow, typically in bits-per-second (bps), over the serial connection.
BlockSizeBytes	Drive, MemoryMetrics	integer	The size of the smallest addressable unit (Block) of this device in bytes.
	Volume	number	The size of the smallest addressable unit (Block) of this volume in bytes.
BlocksRead	MemoryMetrics (CurrentPeriod), MemoryMetrics (LifeTime)	integer	Number of blocks read.
BlocksWritten	MemoryMetrics (CurrentPeriod), MemoryMetrics (LifeTime)	integer	Number of blocks written.
Boot	ComputerSystem	object	Information about the boot settings for this system.
BootMode	NetworkDeviceFunction	string (enum)	The boot mode configured for this network device function.
BootNext	ComputerSystem (Boot)	string	This property is the BootOptionReference of the Boot Option to perform a one time boot from when BootSourceOverrideTarget is UefiBootNext.
BootOptionEnabled	BootOption	boolean	A flag that shows if the Boot Option is enabled.
BootOptionReference	BootOption	string	The unique boot option string that is referenced in the BootOrder.
BootOptions	ComputerSystem (Boot)	object	A reference to the collection of the UEFI Boot Options associated with this Computer System.

BootOrder	ComputerSystem (Boot)	array	Ordered array of BootOptionReference strings representing the persistent Boot Order associated with this computer system.
BootOrderPropertySelection	ComputerSystem (Boot)	string (enum)	Choice of which boot order property to use when specifying the boot order.
BootPriority	NetworkDeviceFunction (FibreChannel > BootTargets)	integer	The relative priority for this entry in the boot targets array.
BootSourceOverrideEnabled	ComputerSystem (Boot)	string (enum)	Describes the state of the Boot Source Override feature.
BootSourceOverrideMode	ComputerSystem (Boot)	string (enum)	The BIOS Boot Mode (either Legacy or UEFI) to be used when BootSourceOverrideTarget boot source is booted from.
BootSourceOverrideTarget	ComputerSystem (Boot)	string (enum)	The current boot source to be used at next boot instead of the normal boot device, if BootSourceOverrideEnabled is true.
BootTargets	NetworkDeviceFunction (FibreChannel)	array	An array of Fibre Channel boot targets configured for this network device function.
BusWidthBits	Memory	integer	Bus Width in bits.
CHAPSecret	NetworkDeviceFunction (iSCSIBoot)	string	The shared secret for CHAP authentication.
CHAPUsername	NetworkDeviceFunction (iSCSIBoot)	string	The username for CHAP authentication.
CStateResidency	ProcessorMetrics (CoreMetrics)	array	The C-state residency of this core in the processor.
Cache	ProcessorMetrics	array	The processor cache metrics.
CacheMiss	ProcessorMetrics (Cache), ProcessorMetrics (CoreMetrics > CoreCache)	number	The number of cache line misses in millions.
CacheMissesPerInstruction	ProcessorMetrics (Cache), ProcessorMetrics (CoreMetrics > CoreCache)	number	The number of cache misses per instruction.
CacheSizeMiB	Memory	integer	Total size of the cache portion memory in MiB.
CacheSummary	Storage (StorageControllers)	object	This object describes the cache memory of the storage controller in general detail.
Calculable	MetricDefinition	string (enum)	Indicates whether the metric can be used in a calculation.
CalculationAlgorithm	MetricDefinition	string (enum)	The calculation which is performed on a source metric to obtain the metric being defined.

CalculationParameters	MetricDefinition	array	Specifies the metric properties which are part of the synthesis calculation. This property is present when the MetricType property has the value 'Synthesized'.
CalculationTimeInterval	MetricDefinition	string	The time interval over which the metric calculation is performed.
Calibration	MetricDefinition	number	Specifies the calibration offset added to the metric reading.
Capable	NetworkAdapter (Controllers > ControllerCapabilities > DataCenterBridging)	boolean	Whether this controller is capable of Data Center Bridging (DCB).
CapableLinkSpeedMbps	NetworkPort (SupportedLinkCapabilities)	array	The self-described link network speed capabilities of this port. Note: Should this be a new enumerated type of link speeds?.
CapableSpeedGbs	Drive	number	The speed which this drive can communicate to a storage controller in ideal conditions in Gigabits per second.
CapacityBytes	Drive, SimpleStorage (Devices)	integer	The capacity of the device in bytes.
	Volume	number	The size in bytes of this Volume.
CapacityMiB	Memory, Processor (ProcessorMemory)	integer	Memory Capacity in mebibytes (MiB).
CertificateLocations	CertificateService	object	Information regarding the location of certificates.
CertificateService	ServiceRoot	object	This is a link to the CertificateService.
CertificateString	Certificate	string	The string for the certificate.
CertificateType	Certificate	string (enum)	The format of the certificate.
Certificates	CertificateLocations (Links)	array	This property is an array of references to the certificates installed on this service.
	ManagerNetworkProtocol (HTTPS)	object	This is a reference to a collection of certificates used for HTTPS by this manager.
	ComputerSystem (Boot)	object	This is a reference to a collection of certificates used for booting via HTTPS by this ComputerSystem.
	AccountService (ActiveDirectory), AccountService (LDAP), ExternalAccountProvider	object	This is a reference to a collection of certificates used for the external account provider.
	ManagerAccount	object	This is a reference to a collection of certificates used for this

			account.
ChangePassword (Action)	Bios (Actions)	object	This action is used to change the BIOS passwords.
Channel	Memory (MemoryLocation)	integer	Channel number in which Memory is connected.
Chassis	ComputerSystem (Links), PCleDevice (Links), ResourceBlock (Links)	array	An array of references to the Chassis that is related or contains this resource.
	Drive (Links), EthernetInterface (Links), Memory (Links), Processor (Links), SimpleStorage (Links), Switch (Links)	object	A reference to the Chassis which contains this resource.
	ServiceRoot	object	This is a link to a collection of Chassis.
ChassisType	Chassis	string (enum)	The type of physical form factor of the chassis.
City	Certificate (Issuer), Certificate (Subject)	string	The city or locality of the organization of the entity.
ClassCode	PCleFunction	string	The Class Code of this PCIe function.
	Endpoint (ConnectedEntities > EntityPcild), Endpoint (Pcild)	string	The Class Code, Subclass code, and Programming Interface code of this PCIe function.
ClearCurrentPeriod (Action)	MemoryMetrics (Actions)	object	This sets the CurrentPeriod object values to zero.
ClearLog (Action)	LogService (Actions)	object	This action is used to clear the log for this Log Service.
CollectionDuration	MetricReportDefinition (Metrics)	string	Specifies the duration over which the function is computed.
CollectionFunction	TelemetryService (SupportedCollectionFunctions)	string (enum)	An operation to perform over the sample.
	MetricReportDefinition (Metrics)	string (enum)	Specified the function to perform on each of the metric properties listed in the MetricProperties property.
CollectionTimeScope	MetricReportDefinition (Metrics)	string (enum)	Specifies the scope of time scope over which the function is applied.
CommandShell	Manager	object	Information about the Command Shell service provided by this manager.
CommonName	Certificate (Issuer), Certificate (Subject)	string	The fully qualified domain name of the entity.
CompletedTaskOverWritePolicy	TaskService	string (enum)	Overwrite policy of completed tasks.

CompositionService	ServiceRoot	object	This is a link to the CompositionService.
CompositionState	ResourceBlock (CompositionStatus)	string (enum)	This property represents the current state of the Resource Block from a composition perspective.
CompositionStatus	ResourceBlock	object	This property describes the composition status details for this Resource Block.
ComputerSystems	Chassis (Links), HostInterface (Links), ResourceBlock, ResourceBlock (Links)	array	An array of references to the Computer Systems related to this resource.
ConfigurationLockCapable	Memory (SecurityCapabilities)	boolean	Support for locking the configuration.
ConfigurationLocked	Memory	boolean	Indicates that the configuration of this memory has been locked.
ConnectTypesSupported	Manager (CommandShell), Manager (GraphicalConsole), Manager (SerialConsole)	array	This object is used to enumerate connection types allowed by the implementation.
ConnectedEntities	Endpoint	array	All the entities connected to this endpoint.
ConnectedProcessors	Processor (Links)	array	An array of references to the processors directly connected to this processor.
ConnectedSwitchPorts	Port (Links)	array	An array of references to the ports that connect to the switch through this port.
ConnectedSwitches	Port (Links)	array	An array of references to the switches that connect to the device through this port.
ConnectedVia	VirtualMedia	string (enum)	Current virtual media connection methods.
ConnectorType	SerialInterface	string (enum)	The type of connector used for this interface.
ConsistencyCheckRatePercent	Storage (StorageControllers > ControllerRates)	integer	The percentage of controller resources used for performing a data consistency check on volumes.
ConsumedPowerWatt	ProcessorMetrics	number	The power consumed by the processor.
ConsumingComputerSystems	ComputerSystem (Links)	array	An array of references to ComputerSystems that are realized, in whole or in part, from this ComputerSystem.
ContainedBy	Chassis (Links)	object	A reference to the chassis that this chassis is contained by.
Contains	Chassis (Links)	array	An array of references to any other

			chassis that this chassis has in it.
Context	Event, Event (Events), EventDestination	string	A client-supplied string that is stored with the event destination subscription.
ControllerCapabilities	NetworkAdapter (Controllers)	object	The capabilities of this controller.
ControllerRates	Storage (StorageControllers)	object	This object describes the various controller rates used for things like Volume Rebuild or Consistency Checks.
Controllers	NetworkAdapter	array	The set of network controllers ASICs that make up this NetworkAdapter.
CooledBy	Chassis (Links), ComputerSystem (Links)	array	An array of ID[s] of resources that cool this resource. Normally the ID will be a chassis or a specific set of fans.
CoreCache	ProcessorMetrics (CoreMetrics)	array	The cache metrics of this core in the processor.
CoreId	ProcessorMetrics (CoreMetrics)	string	The processor core identifier.
CoreMetrics	ProcessorMetrics	array	The processor core metrics.
CorrectableECCError	MemoryMetrics (HealthData > AlarmTrips)	boolean	Correctable data error threshold crossing alarm trip detected status.
CorrectionInMs	Power (PowerControl > PowerLimit)	integer	The time required for the limiting process to reduce power consumption to below the limit.
Count	ComputerSystem (ProcessorSummary)	integer	The number of physical processors in the system.
Country	Certificate (Issuer), Certificate (Subject)	string	The country of the organization of the entity.
Created	LogEntry	string	The time the log entry was created.
CreatedBy	Job	string	The person or program that created this job entry.
CurrentLinkSpeedMbps	NetworkPort	integer	Network Port Current Link Speed.
CurrentPeriod	MemoryMetrics	object	This object contains the Memory metrics since last reset or ClearCurrentPeriod action.
CurrentSpeedGbps	Port	number	The current speed of this port.
CurrentValue	AttributeRegistry (RegistryEntries > Attributes)	boolean, number, string	Placeholder of the current value of the attribute.
DELETE	PrivilegeRegistry (Mappings > OperationMap), PrivilegeRegistry (Mappings > PropertyOverrides >	array	Indicates privilege required for HTTP DELETE operation.

	OperationMap), PrivilegeRegistry (Mappings > ResourceURIOverrides > OperationMap), PrivilegeRegistry (Mappings > SubordinateOverrides > OperationMap)		
DHCP	ManagerNetworkProtocol	object	Settings for this Manager's DHCPv4 protocol support.
DHCPEnabled	EthernetInterface (DHCPv4)	boolean	Determines whether DHCPv4 is enabled on this interface.
DHCPv4	EthernetInterface	object	DHCPv4 configuration for this interface.
DHCPv6	EthernetInterface	object	DHCPv6 configuration for this interface.
	ManagerNetworkProtocol	object	Settings for this Manager's DHCPv6 protocol support.
DataBits	SerialInterface	string (enum)	The number of data bits that will follow the start bit over the serial connection.
DataCenterBridging	NetworkAdapter (Controllers > ControllerCapabilities)	object	Data Center Bridging (DCB) for this controller.
DataLockCapable	Memory (SecurityCapabilities)	boolean	Support for data locking.
DataLossDetected	MemoryMetrics (HealthData)	boolean	Data loss detection status.
DataType	ActionInfo (Parameters)	string (enum)	The JSON property type used for this parameter.
DataWidthBits	Memory	integer	Data Width in bits.
DateTime	LogService	string	The current DateTime (with offset) for the log service, used to set or read time.
	Manager	string	The current DateTime (with offset) for the manager, used to set or read time.
	JobService	string	The current DateTime (with offset) setting that the job service is using.
	TaskService	string	The current DateTime (with offset) setting that the task service is using.
DateTimeLocalOffset	LogService, Manager	string	The time offset from UTC that the DateTime property is set to in format: +06:00 .
DefaultValue	AttributeRegistry (RegistryEntries > Attributes)	boolean, number, string	The default current value of the attribute.
DeliveryRetryAttempts	EventService	integer	This is the number of attempts an event posting is retried before the

			subscription is terminated. This retry is at the service level, meaning the HTTP POST to the Event Destination was returned by the HTTP operation as unsuccessful (4xx or 5xx return code) or an HTTP timeout occurred this many times before the Event Destination subscription is terminated.
DeliveryRetryIntervalSeconds	EventService	integer	This represents the number of seconds between retry attempts for sending any given Event.
DeltaPhysicalContext	Thermal (Temperatures)	string (enum)	Describes the area or device to which the DeltaReadingCelsius temperature measurement applies, relative to PhysicalContext.
DeltaReadingCelsius	Thermal (Temperatures)	number	Delta Temperature reading.
Dependencies	AttributeRegistry (RegistryEntries)	array	The array containing a list of dependencies of attributes on this component.
Dependency	AttributeRegistry (RegistryEntries > Dependencies)	object	The dependency expression for one or more Attributes in this Attribute Registry.
DependencyFor	AttributeRegistry (RegistryEntries > Dependencies)	string	The AttributeName of the attribute whose change triggers the evaluation of this dependency expression.
DepthMm	Chassis	number	The depth of the chassis.
Description	Assembly (Assemblies)	string	Description of the Assembly.
	<i>various</i> (AccelerationFunction, AccelerationFunctionCollection ...)	string	Provides a description of this resource and is used for commonality in the schema definitions.
Destination	EventDestination	string	The URI of the destination Event Service.
DeviceClass	PCleFunction	string (enum)	The class for this PCIe Function.
DeviceEnabled	NetworkDeviceFunction	boolean	Whether the network device function is enabled.
DeviceID	Memory	string	Device ID.
DeviceId	Endpoint (ConnectedEntities > EntityPcild), Endpoint (Pcild), PCleFunction	string	The Device ID of this PCIe function.
DeviceLocator	Memory	string	Location of the Memory in the platform.
DeviceMaxCount	NetworkAdapter (Controllers >	integer	The maximum number of Virtual

	ControllerCapabilities > VirtualizationOffload > VirtualFunction)		Functions (VFs) supported by this controller.
DeviceType	PCIeDevice	string (enum)	The device type for this PCIe device.
Devices	SimpleStorage	array	The storage devices associated with this resource.
DisablePassphrase (Action)	Memory (Actions)	object	Disable passphrase for given regions.
DiscreteTriggerCondition	Triggers	string (enum)	Specifies the conditions when a discrete metric triggers.
DiscreteTriggers	Triggers	array	List of discrete triggers.
DiscreteValues	MetricDefinition	array	This array property specifies possible values of a discrete metric.
DisplayName	BootOption	string	The user-readable display string of the Boot Option.
	AttributeRegistry (RegistryEntries > Attributes)	string	The user-readable display string of the attribute in the defined 'Language'.
	AttributeRegistry (RegistryEntries > Menus)	string	The user-readable display string of this menu in the defined 'Language'.
DisplayOrder	AttributeRegistry (RegistryEntries > Menus)	integer	The numeric value describing the ascending order in which this menu is displayed relative to other menus.
	AttributeRegistry (RegistryEntries > Attributes)	integer	The numeric value describing the ascending order that the attribute is displayed relative to other attributes.
DomainID	Switch	integer	The Domain ID for this switch.
Drives	Chassis (Links), PCIeFunction (Links), ResourceBlock, Storage, Volume (Links)	array	An array of references to the Drives associated with this resource.
DwellTime	<i>various</i> (Sensor (Thresholds > LowerCaution), Sensor (Thresholds > LowerCritical) ...)	string	The time interval over which the sensor reading must have passed through this Threshold value before the threshold is considered to be violated.
EEEEEnabled	NetworkPort	boolean	Whether IEEE 802.3az Energy Efficient Ethernet (EEE) is enabled for this network port.
EffectiveFamily	Processor (ProcessorId)	string	The effective Family for this processor.
EffectiveModel	Processor (ProcessorId)	string	The effective Model for this

			processor.
EfficiencyPercent	Power (PowerSupplies)	number	The measured efficiency of this Power Supply as a percentage.
EjectMedia (Action)	VirtualMedia (Actions)	object	This action is used to detach remote media from virtual media.
ElectricalContext	Sensor	string (enum)	The combination of current-carrying conductors.
Email	Certificate (Issuer), Certificate (Subject)	string	The email address of the contact within the organization of the entity.
Enabled	ManagerAccount	boolean	This property is used by a User Administrator to disable an account w/o having to delete the user information. When set to true, the user can login. When set to false, the account is administratively disabled and the user cannot login.
Enclosures	Storage (Links)	array	An array of references to the chassis to which this storage subsystem is attached.
Encrypted	Volume	boolean	Is this Volume encrypted.
EncryptionAbility	Drive	string (enum)	The encryption abilities of this drive.
EncryptionStatus	Drive	string (enum)	The status of the encryption of this drive.
EncryptionTypes	Volume	array	The types of encryption used by this Volume.
EndTime	Job, Task	string	The date-time stamp that the job or task was completed.
EndpointProtocol	Endpoint	string (enum)	The protocol supported by this endpoint.
Endpoints	AccelerationFunction (Links), ComputerSystem (Links), Drive (Links), EthernetInterface (Links), NetworkDeviceFunction (Links), Processor (Links), Storage (StorageControllers > Links), Zone (Links)	array	An array of references to endpoints associated with this resource.
	Fabric	object	A collection of references to the endpoints contained in this fabric.
EngineeringChangeLevel	Assembly (Assemblies)	string	Engineering change level of the Assembly.
Entity	PrivilegeRegistry (Mappings)	string	Indicates entity name. e.g., Manager.

EntityLink	Endpoint (ConnectedEntities)		A link to the associated entity.
EntityPcild	Endpoint (ConnectedEntities)	object	The PCI ID of the connected entity.
EntityRole	Endpoint (ConnectedEntities)	string (enum)	The role of the connected entity.
EntityType	Endpoint (ConnectedEntities)	string (enum)	The type of the connected entity.
Entries	LogService	object	References to the log entry collection.
EntryCode	LogEntry	string (enum)	If the EntryType is SEL, this will have the entry code for the log entry.
EntryType	LogEntry	string (enum)	This is the type of log entry.
EnvironmentalClass	Chassis	string (enum)	The ASHRAE Environmental Class for this Chassis.
ErrorCorrection	Memory	string (enum)	Error correction scheme supported for this memory.
Ethernet	NetworkDeviceFunction, Processor (FPGA > ExternalInterfaces), Processor (FPGA > HostInterface)	object	Describes the Ethernet related information about this device or interface.
EthernetInterfaces	PCIeFunction (Links), ResourceBlock	array	An array of references to the Ethernet Interfaces related to this resource.
	ComputerSystem, Manager	object	A reference to the collection of Ethernet interfaces associated with this resource.
EventFormatType	EventService (SSEFilterPropertiesSupported)	boolean	This indicates if the EventFormatType property is supported.
	EventDestination	string (enum)	Indicates the content types of the message that will be sent to the EventDestination.
EventFormatTypes	EventService	array	Indicates the content types of the message that this service can send to the event destination.
EventGroupld	Event (Events), LogEntry	integer	This value is the identifier used to correlate events that came from the same cause.
Eventld	Event (Events), LogEntry	string	This is a unique instance identifier of an event.
EventService	ServiceRoot	object	This is a link to the EventService.
EventTimestamp	Event (Events), LogEntry	string	This is time the event occurred.

EventTriggers	Triggers	array	A list of MessageIds that specify when a trigger occurs based on an event.
EventType	EventService (SSEFilterPropertiesSupported)	boolean	This indicates if the EventType property is supported.
	LogEntry	string (enum)	This indicates the type of an event recorded in this log.
	Event (Events)	string (enum)	This indicates the type of event sent, according to the definitions in the EventService.
EventTypes	EventDestination	array	This property contains the types of events that will be sent to the destination.
EventTypesForSubscription	EventService	array	This is the types of Events that can be subscribed to.
Events	Event	array	Each event in this array has a set of properties that describe the event. Since this is an array, more than one event can be sent simultaneously.
ExcerptQuery	ServiceRoot (ProtocolFeaturesSupported)	boolean	This indicates whether the 'excerpt' query parameter is supported.
ExpandAll	ServiceRoot (ProtocolFeaturesSupported > ExpandQuery)	boolean	This indicates whether the \$expand support of asterisk (expand all entries) is supported.
ExpandQuery	ServiceRoot (ProtocolFeaturesSupported)	object	Contains information about the use of \$expand in the service.
ExternalAccessibility	Zone	string (enum)	How is this zone accessible to endpoints not explicitly listed.
ExternalInterfaces	Processor (FPGA)	array	An array of the FPGA external interfaces.
ExternallyAccessible	HostInterface	boolean	Indicates whether this interface is accessible by external entities.
FCFabricName	NetworkPort	string	The FC Fabric Name provided by the switch.
FCPortConnectionType	NetworkPort	string (enum)	This is the connection type of this port.
FCoEActiveVLANId	NetworkDeviceFunction (FibreChannel)	integer	The active FCoE VLAN ID.
FCoELocalVLANId	NetworkDeviceFunction (FibreChannel)	integer	The locally configured FCoE VLAN ID.
FPGA	Processor	object	The properties specific for Processors of type FPGA.
FQDN	EthernetInterface, ManagerNetworkProtocol	string	This is the fully qualified domain name obtained by DNS including the host name and top-level

			domain name.
FabricType	Fabric	string (enum)	The protocol being sent over this fabric.
Fabrics	ServiceRoot	object	A link to a collection of all fabric entities.
FailurePredicted	Drive	boolean	Is this drive currently predicting a failure in the near future.
FallbackAddress	EthernetInterface (DHCPv4)	string (enum)	DHCPv4 fallback address method for this interface.
FanName	Thermal (Fans)	string	Name of the fan.
Fans	Thermal	array	This is the definition for fans.
FibreChannel	NetworkDeviceFunction	object	Fibre Channel.
FibreChannelId	NetworkDeviceFunction (FibreChannel)	string	The Fibre Channel Id assigned by the switch for this interface.
FilterQuery	ServiceRoot (ProtocolFeaturesSupported)	boolean	This indicates whether the \$filter query parameter is supported.
FirmwareApiVersion	Memory	string	Version of API supported by the firmware.
FirmwareAuthEnabled	HostInterface	boolean	Indicates whether this firmware authentication is enabled for this interface.
FirmwareAuthRole	HostInterface (Links)	object	A reference to the Role that has firmware authentication privileges on this Host Interface.
FirmwareAuthRoleId	HostInterface	string	The Role used for firmware authentication on this interface.
FirmwareId	Processor (FPGA)	string	The FPGA firmware identifier.
FirmwareInventory	UpdateService	object	An inventory of firmware.
FirmwareManufacturer	Processor (FPGA)	string	The FPGA firmware manufacturer.
FirmwarePackageVersion	NetworkAdapter (Controllers)	string	The version of the user-facing firmware package.
FirmwareRevision	Memory	string	Revision of firmware on the Memory controller.
FirmwareVersion	AttributeRegistry (SupportedSystems), ComputerSystem (TrustedModules), Manager, PCleDevice, Power (PowerSupplies), Processor (FPGA), Storage (StorageControllers)	string	The firmware version for this device.
FirmwareVersion2	ComputerSystem (TrustedModules)	string	The 2nd firmware version of this Trusted Module, if applicable.
FlowControl	SerialInterface	string	The type of flow control, if any,

		(enum)	that will be imposed on the serial connection.
FlowControlConfiguration	NetworkPort	string (enum)	The locally configured 802.3x flow control setting for this network port.
FlowControlStatus	NetworkPort	string (enum)	The 802.3x flow control behavior negotiated with the link partner for this network port (Ethernet-only).
ForceFailover (Action)	Manager (Actions)	object	The ForceFailover action forces a failover of this manager to the manager used in the parameter.
FpgaReconfigurationSlots	AccelerationFunction	array	An array of the reconfiguration slot identifiers for an FPGA.
FpgaType	Processor (FPGA)	string (enum)	The FPGA type.
FrequencyRatio	ProcessorMetrics	number	The frequency relative to the nominal processor frequency ratio.
FullDuplex	EthernetInterface	boolean	This indicates if the interface is in Full Duplex mode or not.
FunctionClasses	Memory	array	Function Classes by the Memory.
FunctionEnabled	ComputerSystem (HostWatchdogTimer)	boolean	This indicates if the Host Watchdog Timer functionality has been enabled. Additional host-based software is necessary to activate the timer function.
FunctionId	PCleFunction	integer	The the PCIe Function identifier.
FunctionNumber	Endpoint (ConnectedEntities > EntityPcId), Endpoint (PcId)	integer	The PCI ID of the connected entity.
FunctionType	PCleFunction	string (enum)	The type of the PCIe Function.
GET	PrivilegeRegistry (Mappings > OperationMap), PrivilegeRegistry (Mappings > PropertyOverrides > OperationMap), PrivilegeRegistry (Mappings > ResourceURIOverrides > OperationMap), PrivilegeRegistry (Mappings > SubordinateOverrides > OperationMap)	array	Indicates privilege required for HTTP GET operation.
GenerateCSR (Action)	CertificateService (Actions)	object	This action is used to perform a certificate signing request.
GraphicalConsole	Manager	object	The value of this property shall contain the information about the Graphical Console (KVM-IP) service of this manager.
GrayOut	AttributeRegistry	boolean	The gray-out state of this attribute

	(RegistryEntries > Attributes), AttributeRegistry (RegistryEntries > Menus)		or menu. A grayed-only menu is not accessible in user interfaces.
GroupNameAttribute	AccountService (ActiveDirectory > LDAPService > SearchSettings), AccountService (LDAP > LDAPService > SearchSettings), ExternalAccountProvider (LDAPService > SearchSettings)	string	The attribute name that contains the name of the Group on the group LDAP entry.
GroupsAttribute	AccountService (ActiveDirectory > LDAPService > SearchSettings), AccountService (LDAP > LDAPService > SearchSettings), ExternalAccountProvider (LDAPService > SearchSettings)	string	The attribute name that contains the Groups for a user on the user LDAP entry.
HEAD	PrivilegeRegistry (Mappings > OperationMap), PrivilegeRegistry (Mappings > PropertyOverrides > OperationMap), PrivilegeRegistry (Mappings > ResourceURIOverrides > OperationMap), PrivilegeRegistry (Mappings > SubordinateOverrides > OperationMap)	array	Indicates privilege required for HTTP HEAD operation.
HTTP	ManagerNetworkProtocol	object	Settings for this Manager's HTTP protocol support.
HTTPS	ManagerNetworkProtocol	object	Settings for this Manager's HTTPS protocol support.
HealthData	MemoryMetrics	object	This object describes the health information of the memory.
HeightMm	Chassis	number	The height of the chassis.
HelpText	AttributeRegistry (RegistryEntries > Attributes)	string	The help text for the attribute.
Hidden	AttributeRegistry (RegistryEntries > Attributes), AttributeRegistry (RegistryEntries > Menus)	boolean	The hidden state of this attribute or menu.
HidePayload	Job, Task	boolean	Indicates that the contents of the Payload should be hidden from view after the Job or Task has been created. When set to True, the Payload object will not be returned on GET.
HitRatio	ProcessorMetrics (Cache), ProcessorMetrics (CoreMetrics)	number	The cache line hit ratio.

	> CoreCache)		
HostEthernetInterfaces	HostInterface	object	The Redfish link to the collection of network interface controllers or cards (NICs) that a Computer System uses to communicate with this Host Interface.
HostInterface	Processor (FPGA)	object	The FPGA interface to the host.
	EthernetInterface (Links)	object	This is a reference to a Host Interface that is associated with this Ethernet Interface.
HostInterfaceType	HostInterface	string (enum)	Indicates the Host Interface type for this interface.
HostInterfaces	Manager	object	This is a reference to a collection of Host Interfaces that this manager uses for local host communication. It is here that clients will find Host Interface configuration options and settings.
HostName	ComputerSystem, EthernetInterface, ManagerNetworkProtocol	string	The DNS Host Name, without any domain information.
HostReservationMemoryBytes	Endpoint	integer	The amount of memory in Bytes that the Host should allocate to connect to this endpoint.
HostWatchdogTimer	ComputerSystem	object	This object describes the Host Watchdog Timer functionality for this system.
HostedServices	ComputerSystem	object	The services that this computer system supports.
HostingRole	ComputerSystem (HostingRoles)	string (enum)	The enumerations of HostingRoles specify different features that the hosting ComputerSystem supports.
HostingRoles	ComputerSystem	array	The hosing roles that this computer system supports.
HotPluggable	Power (PowerSupplies), Thermal (Fans)	boolean	Indicates if this device can be inserted or removed while the equipment is in operation.
	PCleSlots	boolean	Indicates whether the PCIe slot supports hotplug.
HotspareReplacementMode	Drive	string (enum)	The replacement mode for the hotspare drive.
HotspareType	Drive	string (enum)	The type of hotspare this drive is currently serving as.
HttpHeaders	EventDestination, Job (Payload), Task (Payload)	array	This represents the HTTP headers used in the operation of this Task or Job, or that will be supplied to an EventDestination when an Event is sent. For usage in

			EventDestination, this object will be null on a GET.
HttpOperation	Task (Payload)	string	The HTTP operation to perform to execute this Task.
	Job (Payload)	string	The HTTP operation to perform to execute this job.
HttpPushUri	UpdateService	string	The URI used to perform an HTTP or HTTPS push update to the Update Service.
HttpPushUriApplyTime	UpdateService (HttpPushUriOptions)	object	This property contains settings for when firmware is to be applied when provided via HttpPushUri.
HttpPushUriOptions	UpdateService	object	This property contains options for software update via HttpPushUri.
HttpPushUriOptionsBusy	UpdateService	boolean	This represents if the properties of HttpPushUriOptions are reserved by any client.
HttpPushUriTargets	UpdateService	array	The array of URIs indicating the target for applying the update image.
HttpPushUriTargetsBusy	UpdateService	boolean	This represents if the HttpPushUriTargets property is reserved by any client.
IOStallCount	ProcessorMetrics (CoreMetrics)	number	The number of stalled cycles due to I/O operations.
IPAddressType	NetworkDeviceFunction (iSCSIBoot)	string (enum)	The type of IP address (IPv6 or IPv4) being populated in the iSCSIBoot IP address fields.
IPMI	ManagerNetworkProtocol	object	Settings for this Manager's IPMI-over-LAN protocol support.
IPMaskDNSViaDHCP	NetworkDeviceFunction (iSCSIBoot)	boolean	Whether the iSCSI boot initiator uses DHCP to obtain the initiator name, IP address, and netmask.
IPTransportDetails	Endpoint	array	This array contains details for each IP transport supported by this endpoint. The array structure can be used to model multiple IP addresses for this endpoint.
IPv4Address	Endpoint (IPTransportDetails)	object	The IPv4 addresses assigned to the Endpoint.
	EthernetInterface (IPv4Addresses), EthernetInterface (IPv4StaticAddresses)	object	This type describes an IPv4 Address.
IPv4Addresses	EthernetInterface	array	The IPv4 addresses currently assigned to this interface.
IPv4AutoConfigEnabled	EthernetInterface (StatelessAddressAutoConfig)	boolean	Indicates whether IPv4 SLAAC is enabled for this interface.

IPv4StaticAddresses	EthernetInterface	array	The IPv4 static addresses assigned to this interface.
IPv6Address	Endpoint (IPTransportDetails)	object	The IPv6 addresses assigned to the Endpoint.
	EthernetInterface (IPv6Addresses)	object	This type describes an IPv6 Address.
IPv6AddressPolicyTable	EthernetInterface	array	An array representing the RFC 6724 Address Selection Policy Table.
IPv6Addresses	EthernetInterface	array	Enumerates in an array all of the currently assigned IPv6 addresses on this interface.
IPv6AutoConfigEnabled	EthernetInterface (StatelessAddressAutoConfig)	boolean	Indicates whether IPv6 SLAAC is enabled for this interface.
IPv6DefaultGateway	EthernetInterface	string	This is the IPv6 default gateway address that is currently in use on this interface.
IPv6GatewayStaticAddress	EthernetInterface (IPv6StaticDefaultGateways)	object	This object represents a single IPv6 static address to be assigned on a network interface.
IPv6StaticAddress	EthernetInterface (IPv6StaticAddresses)	object	This object represents a single IPv6 static address to be assigned on a network interface.
IPv6StaticAddresses	EthernetInterface	array	Represents in an array all of the IPv6 static addresses to be assigned on this interface.
IPv6StaticDefaultGateways	EthernetInterface	array	The IPv6 static default gateways for this interface.
Id	<i>various</i> (AccelerationFunction, AccountService ...)	string	The identifier for this resource.
IdentificationRegisters	Processor (ProcessorId)	string	The contents of the Identification Registers (CPUID) for this processor.
Identifier	Drive (Identifiers), Endpoint (ConnectedEntities > Identifiers), Endpoint (Identifiers), Storage (StorageControllers > Identifiers), Zone (Identifiers)	object	This type describes any additional identifiers for a resource.
Identifiers	Endpoint (ConnectedEntities)	array	Identifiers for the remote entity.
	Endpoint	array	Identifiers for this endpoint.
	Zone	array	Identifiers for this zone.
	Drive	array	The Durable names for the drive.
	Storage (StorageControllers)	array	The Durable names for the storage controller.

	Volume	array	The Durable names for the volume.
Image	VirtualMedia	string	A URI providing the location of the selected image.
ImageName	VirtualMedia	string	The current image name.
Immutable	AttributeRegistry (RegistryEntries > Attributes)	boolean	Defines whether this attribute is immutable or not.
Implementation	MetricDefinition	string (enum)	The implementation of the metric.
IndicatorLED	Chassis	string (enum)	The state of the indicator LED, used to identify the chassis.
	Drive	string (enum)	The state of the indicator LED, used to identify the drive.
	Power (PowerSupplies)	string (enum)	The state of the indicator LED, used to identify the power supply.
	Switch	string (enum)	The state of the indicator LED, used to identify the switch.
	ComputerSystem	string (enum)	The state of the indicator LED, used to identify the system.
	Thermal (Fans)	string (enum)	The state of the indicator LED, used to identify this Fan.
Initialize (Action)	Volume (Actions)	object	This action is used to prepare the contents of the volume for use by the system.
InitiatorDefaultGateway	NetworkDeviceFunction (iSCSIBoot)	string	The IPv6 or IPv4 iSCSI boot default gateway.
InitiatorIPAddress	NetworkDeviceFunction (iSCSIBoot)	string	The IPv6 or IPv4 address of the iSCSI initiator.
InitiatorName	NetworkDeviceFunction (iSCSIBoot)	string	The iSCSI initiator name.
InitiatorNetmask	NetworkDeviceFunction (iSCSIBoot)	string	The IPv6 or IPv4 netmask of the iSCSI boot initiator.
InputRanges	Power (PowerSupplies)	array	This is the input ranges that the power supply can use.
InputType	Power (PowerSupplies > InputRanges)	string (enum)	The Input type (AC or DC).
InsertMedia (Action)	VirtualMedia (Actions)	object	This action is used to attach remote media to virtual media.
Inserted	VirtualMedia	boolean	Indicates if virtual media is inserted in the virtual device.
InstructionSet	Processor	string (enum)	The instruction set of the processor.
InstructionsPerCycle	ProcessorMetrics (CoreMetrics)	number	The number of instructions per clock cycle of this core.

IntegratedMemory	Processor (ProcessorMemory)	boolean	This indicates whether this memory is integrated within the Processor.
InterfaceEnabled	EthernetInterface, HostInterface, SerialInterface	boolean	Indicates whether this interface is enabled.
InterfaceType	Processor (FPGA > ExternalInterfaces), Processor (FPGA > HostInterface)	string (enum)	The FPGA interface type.
	ComputerSystem (TrustedModules)	string (enum)	This property indicates the interface type of the Trusted Module.
InterfaceTypeSelection	ComputerSystem (TrustedModules)	string (enum)	The Interface Type selection supported by this Trusted Module.
InterleavableMemorySets	MemoryDomain	array	This is the interleave sets for the memory chunk.
InterleaveSets	MemoryChunks	array	This is the interleave sets for the memory chunk.
IntervallnMin	Power (PowerControl > PowerMetrics)	integer	The time interval (or window) in which the PowerMetrics are measured over.
IntrusionSensor	Chassis (PhysicalSecurity)	string (enum)	This indicates the known state of the physical security sensor, such as if it is hardware intrusion detected.
IntrusionSensorNumber	Chassis (PhysicalSecurity)	integer	A numerical identifier to represent the physical security sensor.
IntrusionSensorReArm	Chassis (PhysicalSecurity)	string (enum)	This indicates how the Normal state to be restored.
InvolvedSwitches	Zone (Links)	array	Represents an array of references to the switches in this zone.
IsLinear	MetricDefinition	boolean	Indicates whether the metric values are linear (vs non-linear).
IsManaged	Switch	boolean	This indicates whether the switch is in a managed or unmanaged state.
IsMirrorEnabled	MemoryChunks	boolean	Mirror Enabled status.
IsPredefined	Role	boolean	This property is used to indicate if the Role is one of the Redfish Predefined Roles vs a Custom role.
IsRankSpareEnabled	Memory	boolean	Rank spare enabled status.
IsSpare	MemoryChunks	boolean	Spare enabled status.
IsSpareDeviceEnabled	Memory	boolean	Spare device enabled status.
IsSystemUniqueProperty	AttributeRegistry	boolean	Defines whether this attribute is

	(RegistryEntries > Attributes)		unique for this system and should not be replicated.
Issuer	Certificate	object	The issuer of the certificate.
JobService	ServiceRoot	object	This is a link to the JobService.
JobState	Job	string (enum)	The state of the job.
JobStatus	Job	string (enum)	The status of the job.
Jobs	JobService	object	References to the Jobs collection.
JsonBody	Job (Payload), Task (Payload)	string	This property contains the JSON payload to use in the execution of this Job or Task.
JsonSchemas	ServiceRoot	object	This is a link to a collection of Json-Schema files.
KVMIP	ManagerNetworkProtocol	object	Settings for this Manager's KVM-IP protocol support.
KerberosKeytab	AccountService (ActiveDirectory > Authentication), AccountService (LDAP > Authentication), ExternalAccountProvider (Authentication)	string	This property is used with a PATCH or PUT to write a base64 encoded version of the kerberos keytab for the account. This property is null on a GET.
KernelAuthEnabled	HostInterface	boolean	Indicates whether this kernel authentication is enabled for this interface.
KernelAuthRole	HostInterface (Links)	object	A reference to the Role object defining Privileges for this Host Interface when using kernel authentication.
KernelAuthRoleId	HostInterface	string	The Role used for kernel authentication on this interface.
KernelPercent	ProcessorMetrics	number	The percentage of time spent in kernel mode.
KeyUsage	Certificate	array	The usage of the key contained in the certificate.
	Certificate (KeyUsage)	string (enum)	The usages of a key contained within a certificate.
Keys	MetricReportDefinition (Wildcards)	array	An array of values to substitute for the wildcard.
LDAP	AccountService	object	The first LDAP external account provider this AccountService supports.
LDAPService	AccountService (ActiveDirectory), AccountService (LDAP), ExternalAccountProvider	object	This property contains additional mapping information needed to parse a generic LDAP service.

LUNID	NetworkDeviceFunction (FibreChannel > BootTargets)	string	The Logical Unit Number (LUN) ID to boot from on the device referred to by the corresponding WWPN.
Label	EthernetInterface (IPv6AddressPolicyTable)	integer	The IPv6 Label (as defined in RFC 6724 section 2.1).
Lanes	PCleSlots (Slots)	integer	This is the number of PCIe lanes supported by this slot.
LanesInUse	PCleDevice (PCleInterface)	integer	This is the number of PCIe lanes in use by this device.
Language	JsonSchemaFile (Location), MessageRegistryFile (Location)	string	The language code for the file the schema is in.
	AttributeRegistry, MessageRegistry	string	This is the RFC 5646 compliant language code for the registry.
Languages	JsonSchemaFile, MessageRegistryFile	array	Language codes for the schemas available.
LastPowerOutputWatts	Power (PowerSupplies)	number	The average power output of this Power Supply.
LastShutdownSuccess	MemoryMetrics (HealthData)	boolean	Status of last shutdown.
Level	ProcessorMetrics (Cache), ProcessorMetrics (CoreMetrics > CoreCache)	string	The cache level.
	ProcessorMetrics (CoreMetrics > CStateResidency)	string	The level of C-state, e.g. C0, C1, C2.
Levels	ServiceRoot (ProtocolFeaturesSupported > ExpandQuery)	boolean	This indicates whether the expand support of the \$levels qualifier is supported by the service.
LifeCycleEventOnTaskStateChange	TaskService	boolean	Send an Event upon Task State Change.
LifeTime	MemoryMetrics	object	This object contains the Memory metrics for the lifetime of the Memory.
LimitException	Power (PowerControl > PowerLimit)	string (enum)	The action that is taken if the power cannot be maintained below the LimitInWatts.
LimitInWatts	Power (PowerControl > PowerLimit)	number	The Power limit in watts. Set to null to disable power capping.
LineInputVoltage	Power (PowerSupplies)	number	The line input voltage at which the Power Supply is operating.
LineInputVoltageType	Power (PowerSupplies)	string (enum)	The line voltage type supported as an input to this Power Supply.
LinkNetworkTechnology	NetworkPort (SupportedLinkCapabilities)	string (enum)	The self-described link network technology capabilities of this port.
LinkSpeedMbps	NetworkPort (SupportedLinkCapabilities)	integer	The speed of the link in Mbps when this link network technology is active.
LinkStatus	EthernetInterface	string	The link status of this interface

		(enum)	(port).
	NetworkPort	string (enum)	The status of the link between this port and its link partner.
Links	ServiceRoot (ProtocolFeaturesSupported > ExpandQuery)	boolean	This indicates whether the \$expand support of tilde (expand only entries in the Links section) is supported.
	<i>various</i> (AccelerationFunction, CertificateLocations ...)	object	Contains references to other resources that are related to this resource.
LoadPercent	Sensor	number	The power load utilization for this Sensor.
LocalAccountAuth	AccountService	string (enum)	Controls when this service will use the accounts defined withing this AccountService as part of authentication.
LocalMemoryBandwidthBytes	ProcessorMetrics	integer	The local memory bandwidth usage in bytes.
LocalRole	AccountService (ActiveDirectory > RemoteRoleMapping), AccountService (LDAP > RemoteRoleMapping), ExternalAccountProvider (RemoteRoleMapping)	string	The name of the local role in which to map the remote user or group.
Location	JsonSchemaFile, MessageRegistryFile	array	Location information for this registry or schema file.
	Drive	array	The Location of the drive.
	<i>various</i> (Chassis, Drive (Location) ...)	object	The physical location of this device or resource.
Locked	ManagerAccount	boolean	This property indicates that the account has been auto-locked by the account service because the lockout threshold has been exceeded. When set to true, the account is locked. A user admin can write the property to false to manually unlock, or the account service will unlock it once the lockout duration period has passed.
Log	JobService	object	This is a reference to a Log Service used by the Job Service.
LogEntryType	LogService	string (enum)	The format of the Entries of this log.
LogService	TelemetryService	object	This is a reference to a Log Service used by the Telemetry Service.
LogServices	ComputerSystem, Switch	object	A reference to the collection of Log Services associated with this

			system.
	Chassis	object	A reference to the logs for this chassis.
	Manager	object	This is a reference to a collection of Logs used by the manager.
LogicalProcessorCount	ComputerSystem (ProcessorSummary)	integer	The number of logical processors in the system.
LogicalSizeMiB	Memory	integer	Total size of the logical memory in MiB.
LowerBound	AttributeRegistry (RegistryEntries > Attributes)	integer	The lower limit of the value of an attribute of type 'Integer'.
LowerCaution	Sensor (Thresholds)	object	Below normal range.
LowerCritical	Triggers (NumericThresholds)	object	Below normal range and requires attention.
	Sensor (Thresholds)	object	Below normal range but not yet fatal.
LowerFatal	Sensor (Thresholds)	object	Below normal range and fatal.
LowerThresholdCritical	Thermal (Fans)	integer	Below normal range but not yet fatal.
	Power (Voltages), Thermal (Temperatures)	number	Below normal range but not yet fatal.
LowerThresholdFatal	Thermal (Fans)	integer	Below normal range and is fatal.
	Power (Voltages), Thermal (Temperatures)	number	Below normal range and is fatal.
LowerThresholdNonCritical	Thermal (Fans)	integer	Below normal range.
	Power (Voltages), Thermal (Temperatures)	number	Below normal range.
LowerWarning	Triggers (NumericThresholds)	object	Below normal range.
LowestSupportedVersion	SoftwareInventory	string	A string representing the lowest supported version of this software.
MACAddress	EthernetInterface, NetworkDeviceFunction (Ethernet)	string	This is the currently configured MAC address of the interface.
MTUSize	EthernetInterface, NetworkDeviceFunction (Ethernet)	integer	The Maximum Transmission Unit (MTU) configured for this interface.
MaintenanceWindowDurationInSeconds	UpdateService (HttpPushUriOptions > HttpPushUriApplyTime)	integer	The value of this property as specified by client indicates the expiry time of maintenance window in seconds.
MaintenanceWindowStartTime	UpdateService (HttpPushUriOptions > HttpPushUriApplyTime)	string	The value of this property as specified by client to indicate the start time of a maintenance window.

ManagedBy	Chassis (Links), ComputerSystem (Links), Switch (Links)	array	An array of references to the Managers responsible for managing this resource.
ManagerEthernetInterface	HostInterface	object	The Redfish link to a single network interface controllers or cards (NIC) that this Manager uses for network communication with this Host Interface.
ManagerForChassis	Manager (Links)	array	This property is an array of references to the chassis that this manager has control over.
ManagerForServers	Manager (Links)	array	This property is an array of references to the systems that this manager has control over.
ManagerForSwitches	Manager (Links)	array	This property is an array of references to the switches that this manager has control over.
ManagerInChassis	Manager (Links)	object	This property is a reference to the chassis that this manager is located in.
ManagerType	Manager	string (enum)	This property represents the type of manager that this resource represents.
Managers	ServiceRoot	object	This is a link to a collection of Managers.
ManagersInChassis	Chassis (Links)	array	An array of references to the managers located in this Chassis.
Manufacturer	<i>various</i> (AccelerationFunction, Chassis ...)	string	A the manufacturer/producer of this device or resource.
MapFrom	AttributeRegistry (RegistryEntries > Dependencies > Dependency)	array	Array of the map-from conditions for mapping dependency.
MapFromAttribute	AttributeRegistry (RegistryEntries > Dependencies > Dependency > MapFrom)	string	The attribute that is used to evaluate this dependency expression.
MapFromCondition	AttributeRegistry (RegistryEntries > Dependencies > Dependency > MapFrom)	string (enum)	The condition that is used to evaluate this dependency expression.
MapFromProperty	AttributeRegistry (RegistryEntries > Dependencies > Dependency > MapFrom)	string (enum)	The meta-data property of the attribute specified in MapFromAttribute that is used to evaluate this dependency expression.
MapFromValue	AttributeRegistry (RegistryEntries > Dependencies > Dependency > MapFrom)	boolean, number, string	The value that the is used property specified in MapFromProperty that is used to evaluate this dependency expression.

MapTerms	AttributeRegistry (RegistryEntries > Dependencies > Dependency > MapFrom)	string (enum)	The logical term used to combine two or more MapFrom conditions in this dependency expression.
MapToAttribute	AttributeRegistry (RegistryEntries > Dependencies > Dependency)	string	The Name of the attribute that is affected by this dependency expression.
MapToProperty	AttributeRegistry (RegistryEntries > Dependencies > Dependency)	string (enum)	The meta-data property of the attribute specified in MapFromAttribute that is used to evaluate this dependency expression.
MapToValue	AttributeRegistry (RegistryEntries > Dependencies > Dependency)	boolean, number, string	The value that MapToProperty is changed to if the dependency expression evaluates to true.
Mappings	PrivilegeRegistry	array	This property describes the mappings between entities and the relevant privileges used to access them.
MaxAllowableOperatingValue	Thermal (Temperatures)	integer	Maximum allowable operating temperature for this equipment.
	Sensor	number	Maximum allowable operating value for this equipment.
MaxBWAllocPercent	NetworkPort (NetDevFuncMaxBWAlloc)	integer	The maximum bandwidth allocation percentage allocated to the corresponding network device function instance.
MaxCompositions	ResourceBlock (CompositionStatus)	integer	The maximum number of compositions in which this Resource Block is capable of participating simultaneously.
MaxConcurrentSessions	Manager (CommandShell), Manager (GraphicalConsole), Manager (SerialConsole)	integer	Indicates the maximum number of service sessions, regardless of protocol, this manager is able to support.
MaxConsumedWatts	Power (PowerControl > PowerMetrics)	number	The highest power consumption level that has occurred over the measurement window (the last IntervallInMin minutes).
MaxDeviceLogins	NetworkAdapter (Controllers > ControllerCapabilities > NPIV)	integer	The maximum number of N_Port ID Virtualization (NPIV) logins allowed simultaneously from all ports on this controller.
MaxExecutionTime	Job	string	The maximum amount of time the job is allowed to execute.
MaxFrameSize	NetworkPort	integer	The maximum frame size supported by the port.
MaxIPv6StaticAddresses	EthernetInterface	integer	This indicates the maximum number of Static IPv6 addresses that can be configured on this interface.

MaxImageSizeBytes	UpdateService	integer	The maximum size in bytes of the software update image that this service supports.
MaxJobs	JobService (ServiceCapabilities)	integer	Maximum number of Jobs supported.
MaxLanes	PCIeDevice (PCIInterface), Processor (FPGA > ExternalInterfaces > Ethernet), Processor (FPGA > HostInterface > Ethernet)	integer	This is the number of lanes supported by this interface.
MaxLength	AttributeRegistry (RegistryEntries > Attributes)	integer	The maximum character length of the value of an attribute of type 'String'.
MaxLevels	ServiceRoot (ProtocolFeaturesSupported > ExpandQuery)	integer	This indicates the maximum number value of the \$levels qualifier in \$expand operations.
MaxNumberOfRecords	LogService	integer	The maximum number of log entries this service can have.
MaxPCIeType	PCIeDevice (PCIInterface)	string (enum)	The highest version of the PCIe specification supported by this device.
MaxPassphraseCount	Memory (SecurityCapabilities)	integer	Maximum number of passphrases supported for this Memory.
MaxPasswordLength	AccountService	integer	The maximum password length for this service.
MaxPortLogins	NetworkAdapter (Controllers > ControllerCapabilities > NPIV)	integer	The maximum number of N_Port ID Virtualization (NPIV) logins allowed per physical port on this controller.
MaxReadingRange	Thermal (Fans)	integer	Maximum value for Reading.
	MetricDefinition	number	Maximum value for metric reading.
	Power (Voltages)	number	Maximum value for this Voltage sensor.
MaxReadingRangeTemp	Thermal (Temperatures)	number	Maximum value for ReadingCelsius.
MaxReports	TelemetryService	integer	The maximum number of metric reports supported by this service.
MaxSpeedGbps	Port	number	The maximum speed of this port as currently configured.
MaxSpeedMHz	Processor	integer	The maximum clock speed of the processor.
MaxSpeedMbps	Processor (FPGA > ExternalInterfaces > Ethernet), Processor (FPGA > HostInterface > Ethernet)	integer	The maximum speed supported by this interface.
MaxSteps	JobService	integer	Maximum number of Job Steps

	(ServiceCapabilities)		supported.
MaxTDPMilliWatts	Memory	array	Maximum TDPs in milli Watts.
	Memory (PowerManagementPolicy)	integer	Maximum TDP in milli watts.
MaxTDPWatts	Processor	integer	The maximum Thermal Design Power (TDP) in watts.
MaxVirtualFunctions	NetworkDeviceFunction	integer	The number of virtual functions (VFs) that are available for this Network Device Function.
MaxZones	Fabric	integer	The value of this property shall contain the maximum number of zones the switch can currently configure.
MaximumFrequencyHz	Power (PowerSupplies > InputRanges)	number	The maximum line input frequency at which this power supply input range is effective.
MaximumValue	ActionInfo (Parameters)	number	The maximum supported value of this parameter.
MaximumVoltage	Power (PowerSupplies > InputRanges)	number	The maximum line input voltage at which this power supply input range is effective.
MediaType	Drive	string (enum)	The type of media contained in this drive.
MediaTypes	VirtualMedia	array	This is the media types supported as virtual media.
MemberId	Assembly (Assemblies), Event (Events), Power (PowerControl), Power (PowerSupplies), Power (Voltages), Storage (StorageControllers), Thermal (Fans), Thermal (Temperatures)	string	This is the identifier for the member within the collection.
Members	<i>various</i> (AccelerationFunctionCollection, BootOptionCollection ...)	array	Contains the members of this collection.
Members@odata.nextLink	<i>various</i> (AccelerationFunctionCollection, BootOptionCollection ...)	string	The URI to the resource containing the next set of partial members.
Memory	ResourceBlock	array	An array of references to the Memory available in this Resource Block.
	ComputerSystem	object	A reference to the collection of Memory associated with this system.
	MemoryChunks (InterleaveSets)	object	Describes a memory device of the interleave set.

MemoryChunkSizeMiB	MemoryChunks	integer	Size of the memory chunk measured in mebibytes (MiB).
MemoryChunks	MemoryDomain	object	A reference to the collection of Memory Chunks associated with this Memory Domain.
MemoryClassification	Memory (Regions)	string (enum)	Classification of memory occupied by the given memory region.
MemoryController	Memory (MemoryLocation)	integer	Memory controller number in which Memory is connected.
MemoryDeviceType	Memory	string (enum)	Type details of the Memory.
MemoryDomains	ComputerSystem	object	A reference to the collection of Memory Domains associated with this system.
MemoryLevel	MemoryChunks (InterleaveSets)	integer	Level of the interleave set for multi-level tiered memory.
MemoryLocation	Memory	object	Memory connection information to sockets and memory controllers.
MemoryMedia	Memory	array	Media of this Memory.
MemoryMirroring	ComputerSystem (MemorySummary)	string (enum)	The ability and type of memory mirroring supported by this system.
MemorySet	MemoryDomain (InterleavableMemorySets)	array	This is the collection of memory for a particular interleave set.
MemoryStallCount	ProcessorMetrics (CoreMetrics)	number	The number of stalled cycles due to memory operations.
MemorySubsystemControllerManufacturerID	Memory	string	The manufacturer ID of the memory subsystem controller of this memory module.
MemorySubsystemControllerProductID	Memory	string	The product ID of the memory subsystem controller of this memory module.
MemorySummary	ComputerSystem	object	This object describes the central memory of the system in general detail.
MemoryType	Memory	string (enum)	The type of Memory.
	Processor (ProcessorMemory)	string (enum)	The type of memory used by this processor.
MenuName	AttributeRegistry (RegistryEntries > Menus)	string	The unique name string of this menu.
MenuPath	AttributeRegistry (RegistryEntries > Attributes)	string	A path that describes the menu hierarchy of this attribute.
	AttributeRegistry (RegistryEntries > Menus)	string	A path that describes this menu hierarchy relative to other menus.

Menus	AttributeRegistry (RegistryEntries)	array	The array containing the attributes menus and their hierarchy.
Message	Job (Messages), Task (Messages)	object	This type describes a Message returned by the Redfish service.
	Event (Events)	string	This is the human readable message, if provided.
	LogEntry	string	This property decodes from EntryType. If the EntryType is Event, then it is a message string. Otherwise, it is SEL or OEM specific. In most cases, this will be the actual Log Entry.
MessageArgs	LogEntry	array	The values of this property shall be any arguments for the message.
	Event (Events)	array	This array of message arguments are substituted for the arguments in the message when looked up in the message registry.
MessageId	EventService (SSEFilterPropertiesSupported)	boolean	This indicates if the MessageId property is supported.
	Event (Events)	string	This is the key for this message which can be used to look up the message in a message registry.
	LogEntry	string	This property decodes from EntryType. If the EntryType is Event, then it is a message id. If the EntryType is SEL, then it contains the Event Data. Otherwise, it is OEM specific. This value is only used for registries - for more information, see the specification.
MessageIds	EventDestination	array	A list of MessageIds that the service will only send. If this property is absent or the array is empty, then Events with any MessageId will be sent to the subscriber.
Messages	Job	array	This is an array of messages associated with the job.
	Task	array	This is an array of messages associated with the task.
	MessageRegistry	object	The pattern property indicates that a free-form string is the unique identifier for the message within the registry.
MetricDataType	MetricDefinition	string (enum)	The data type of the metric.
MetricDefinition	MetricReport (MetricValues)	object	A link to the Metric Definition.

MetricDefinitions	TelemetryService	object	A link to the collection of Metric Definitions.
MetricId	MetricReportDefinition (Metrics)	string	Specifies the label for the metric definition which is derived by applying the CollectionFunction to the metric property.
	MetricReport (MetricValues)	string	The metric definitions identifier for this metric.
MetricProperties	MetricReportDefinition (Metrics)	array	A collection of URI for the properties on which this metric is collected.
	MetricDefinition	array	A list of URIs with wildcards and property identifiers for which this metric definition is defined. If a URI has wildcards, the wildcards are substituted as specified in the Wildcards array property.
	Triggers	array	A list of URIs with wildcards and property identifiers for which this trigger is defined. If a URI has wildcards, the wildcards are substituted as specified in the Wildcards array property.
	MetricReportDefinition	array	A list of URIs with wildcards and property identifiers to include in the metric report. If a URI has wildcards, the wildcards are substituted as specified in the Wildcards array property.
MetricProperty	MetricReport (MetricValues)	string	The URI for the property from which this metric is derived.
MetricReport	MetricReportDefinition	object	Specifies the location where the resultant metric report is placed.
MetricReportDefinition	EventService (SSEFilterPropertiesSupported)	boolean	This indicates if the MetricReportDefinition property is supported.
	MetricReport	object	The metric definitions used to create a metric report.
MetricReportDefinitionEnabled	MetricReportDefinition	boolean	This indicates whether this MetricReportDefinition is enabled.
MetricReportDefinitionType	MetricReportDefinition	string (enum)	Specifies when the metric report is generated.
MetricReportDefinitions	Triggers (Links)	array	The metric report definitions that will generate new metric reports when a trigger occurs when the TriggerActions property contains the value RedfishMetricReport.
	TelemetryService	object	A link to the collection of Metric Report Definitions.
MetricReportHeartbeatInterval	MetricReportDefinition	string	This property specifies an interval

			to send complete MetricReport regardless of whether values have changed. It is used in addition to the ReccurranceInterval where SuppressRepeatedMetricValue is Enabled and the Redfish client desired to be refreshed with metric data occasionally regardless of whether the data is changed or not.
MetricReports	TelemetryService	object	A link to the collection of Metric Reports.
MetricType	MetricDefinition	string (enum)	The type of metric.
	Triggers	string (enum)	The type of trigger.
MetricValue	MetricReport (MetricValues)	string	The value identifies this resource.
MetricValues	MetricReport	array	An array of metric values for the metered items of this Metric.
Metrics	MetricReportDefinition	array	Specifies a list of metrics to include in the metric report. The metrics may include metric properties or calculations applied to a metric property.
	ComputerSystem (ProcessorSummary)	object	A reference to the Metrics associated with all Processors in this system.
	Memory	object	A reference to the Metrics associated with this Memory.
	Processor	object	A reference to the Metrics associated with this Processor.
MicrocodeInfo	Processor (ProcessorId)	string	The Microcode Information for this processor.
MinAllowableOperatingValue	Thermal (Temperatures)	integer	Minimum allowable operating temperature for this equipment.
	Sensor	number	Minimum allowable operating value for this equipment.
MinAssignmentGroupSize	NetworkAdapter (Controllers > ControllerCapabilities > VirtualizationOffload > VirtualFunction)	integer	The minimum number of Virtual Functions (VFs) that can be allocated or moved between physical functions for this controller.
MinBWAllocPercent	NetworkPort (NetDevFuncMinBWAlloc)	integer	The minimum bandwidth allocation percentage allocated to the corresponding network device function instance.
MinCollectionInterval	TelemetryService	string	The minimum time interval between collections supported by this service.

MinConsumedWatts	Power (PowerControl > PowerMetrics)	number	The lowest power consumption level over the measurement window (the last IntervallInMin minutes).
MinLength	AttributeRegistry (RegistryEntries > Attributes)	integer	The minimum character length of the value of an attribute of type 'String'.
MinPasswordLength	AccountService	integer	The minimum password length for this service.
MinReadingRange	Thermal (Fans)	integer	Minimum value for Reading.
	MetricDefinition	number	Minimum value for metric reading.
	Power (Voltages)	number	Minimum value for this Voltage sensor.
MinReadingRangeTemp	Thermal (Temperatures)	number	Minimum value for ReadingCelsius.
MinimumFrequencyHz	Power (PowerSupplies > InputRanges)	number	The minimum line input frequency at which this power supply input range is effective.
MinimumValue	ActionInfo (Parameters)	number	The minimum supported value for this parameter.
MinimumVoltage	Power (PowerSupplies > InputRanges)	number	The minimum line input voltage at which this power supply input range is effective.
Model	<i>various</i> (Assembly (Assemblies), Chassis ...)	string	Model number for this product or device.
ModifyRedundancySet (Action)	Manager (Actions)	object	The ModifyRedundancySet operation is used to add or remove members to a redundant group of manager.
ModuleManufacturerID	Memory	string	The manufacturer ID of this memory module.
ModuleProductID	Memory	string	The product ID of this memory module.
MutualCHAPSecret	NetworkDeviceFunction (iSCSIBoot)	string	The CHAP Secret for 2-way CHAP authentication.
MutualCHAPUsername	NetworkDeviceFunction (iSCSIBoot)	string	The CHAP Username for 2-way CHAP authentication.
MutuallyExclusiveEndpoints	Endpoint (Links)	array	An array of references to the endpoints that may not be used in zones if this endpoint is used in a zone.
NPAR	NetworkAdapter (Controllers > ControllerCapabilities)	object	NIC Partitioning (NPAR) capabilities for this controller.
NPIV	NetworkAdapter (Controllers > ControllerCapabilities)	object	N_Port ID Virtualization (NPIV) capabilities for this controller.

NTP	ManagerNetworkProtocol	object	Settings for this Manager's NTP protocol support.
NTPServers	ManagerNetworkProtocol (NTP)	array	Indicates to which NTP servers this manager is subscribed.
Name	<i>various</i> (AccelerationFunction, AccelerationFunctionCollection ...)	string	Name of the resource as assigned by the Redfish Service.
NameServers	EthernetInterface	array	This represents DNS name servers that are currently in use on this interface.
NegotiatedSpeedGbs	Drive	number	The speed which this drive is currently communicating to the storage controller in Gigabits per second.
NetDevFuncCapabilities	NetworkDeviceFunction	array	Capabilities of this network device function.
NetDevFuncMaxBWAlloc	NetworkPort	array	The array of maximum bandwidth allocation percentages for the Network Device Functions associated with this port.
NetDevFuncMinBWAlloc	NetworkPort	array	The array of minimum bandwidth allocation percentages for the Network Device Functions associated with this port.
NetDevFuncType	NetworkDeviceFunction	string (enum)	The configured capability of this network device function.
NetworkAdapter	NetworkInterface (Links)	object	A reference to the NetworkAdapter which contains this NetworkInterface.
NetworkAdapters	Chassis	object	A reference to the collection of Network Adapters associated with this chassis.
NetworkDeviceFunction	Endpoint (Links)	array	When NetworkDeviceFunction resources are present, this array contains references to the network device function that connect to this endpoint.
	NetworkPort (NetDevFuncMaxBWAlloc), NetworkPort (NetDevFuncMinBWAlloc)	object	A reference to the NetworkDeviceFunction associated with this bandwidth setting of this Network Port.
NetworkDeviceFunctionCount	NetworkAdapter (Controllers > ControllerCapabilities)	integer	The maximum number of physical functions available on this controller.
NetworkDeviceFunctions	PCIeFunction (Links)	array	An array of references to the Network Device Functions which the PCIe device produces.
	NetworkAdapter (Controllers > Links)	array	An array of references to the NetworkDeviceFunctions

			associated with this Network Controller.
	NetworkAdapter	object	A reference to the collection of NetworkDeviceFunctions associated with this NetworkAdapter.
	NetworkInterface	object	A reference to the collection of NetworkDeviceFunctions associated with this NetworkInterface.
NetworkInterfaces	ResourceBlock	array	An array of references to the Network Interfaces available in this Resource Block.
	ComputerSystem	object	A reference to the collection of Network Interfaces associated with this system.
NetworkPortCount	NetworkAdapter (Controllers > ControllerCapabilities)	integer	The number of physical ports on this controller.
NetworkPortMaxCount	NetworkAdapter (Controllers > ControllerCapabilities > VirtualizationOffload > VirtualFunction)	integer	The maximum number of Virtual Functions (VFs) supported per network port for this controller.
NetworkPorts	NetworkAdapter (Controllers > Links)	array	An array of references to the NetworkPorts associated with this Network Controller.
	NetworkAdapter	object	A reference to the collection of NetworkPorts associated with this NetworkAdapter.
	NetworkInterface	object	A reference to the collection of NetworkPorts associated with this NetworkInterface.
NetworkProtocol	HostInterface	object	The Redfish link to the network services and their settings that the Manager controls. It is here that clients will find network configuration options as well as network services.
	Manager	object	This is a reference to the network services and their settings that the manager controls. It is here that clients will find network configuration options as well as network services.
NoLinks	ServiceRoot (ProtocolFeaturesSupported > ExpandQuery)	boolean	This indicates whether the \$expand support of period (expand only entries not in the Links section) is supported.
NonVolatileSizeMiB	Memory	integer	Total size of the non-volatile portion memory in MiB.
NotifyIPv6Scope	ManagerNetworkProtocol (SSDP)	string (enum)	Indicates the scope for the IPv6 Notify messages for SSDP.

NotifyMulticastIntervalSeconds	ManagerNetworkProtocol (SSDP)	integer	Indicates how often the Multicast is done from this service for SSDP.
NotifyTTL	ManagerNetworkProtocol (SSDP)	integer	Indicates the time to live hop count for SSDPs Notify messages.
NparCapable	NetworkAdapter (Controllers > ControllerCapabilities > NPAR)	boolean	Indicates whether or not NIC function partitioning is supported by a controller.
NparEnabled	NetworkAdapter (Controllers > ControllerCapabilities > NPAR)	boolean	When true, NIC function partitioning is active on this controller.
NumberDiscoveredRemotePorts	NetworkPort	integer	The number of ports not on this adapter that this port has discovered.
NumberOfCompositions	ResourceBlock (CompositionStatus)	integer	The number of compositions in which this Resource Block is currently participating.
NumericThresholds	Triggers	object	Specifies the thresholds when a numeric metric triggers.
OEMPrivilegesUsed	PrivilegeRegistry	array	Lists the set of OEM Privileges used in building this mapping.
ObjectDataType	ActionInfo (Parameters)	string	The OData Type of an object-based parameter.
OccupancyBytes	ProcessorMetrics (Cache), ProcessorMetrics (CoreMetrics > CoreCache)	integer	The total cache level occupancy in bytes.
OccupancyPercent	ProcessorMetrics (Cache), ProcessorMetrics (CoreMetrics > CoreCache)	number	The total cache occupancy percentage.
Oem	<i>various</i> (AccelerationFunction (Links), AccelerationFunction ...)	object	The OEM extension object.
OemLogEntryCode	LogEntry	string	If the LogEntryCode type is OEM, this will contain the OEM-specific entry code.
OemPrivileges	Role	array	The OEM privileges that this role includes.
OemRecordFormat	LogEntry	string	If the EntryType is Oem, this will contain more information about the record format from the Oem.
OemSensorType	LogEntry	string	If the Sensor Type is OEM, this will contain the OEM-specific sensor type.
OemSessionType	Session	string	The active session type defined by the OEM.
OffsetMiB	Memory (Regions)	integer	Offset with in the Memory that corresponds to the starting of this

			memory region in mebibytes (MiB).
	MemoryChunks (InterleaveSets)	integer	Offset within the DIMM that corresponds to the start of this memory region, measured in mebibytes (MiB).
OnlyMemberQuery	ServiceRoot (ProtocolFeaturesSupported)	boolean	This indicates whether the 'only' query parameter is supported.
OperatingMemoryModes	Memory	array	Memory modes supported by the Memory.
OperatingMode	EthernetInterface (DHCPv6)	string (enum)	Determines the DHCPv6 operating mode for this interface.
OperatingSpeedMhz	Memory	integer	Operating speed of Memory in MHz or MT/s as appropriate.
OperationMap	PrivilegeRegistry (Mappings)	object	List mapping between HTTP method and privilege required for entity.
	PrivilegeRegistry (Mappings > PropertyOverrides), PrivilegeRegistry (Mappings > ResourceURIOverrides), PrivilegeRegistry (Mappings > SubordinateOverrides)	object	List mapping between HTTP operation and privilege needed to perform operation.
OperationName	Drive (Operations), Volume (Operations)	string	The name of the operation.
Operations	Drive	array	The operations currently running on the Drive.
	Volume	array	The operations currently running on the Volume.
OptimumIOSizeBytes	Volume	number	The size in bytes of this Volume's optimum IO size.
Organization	Certificate (Issuer), Certificate (Subject)	string	The name of the organization of the entity.
OrganizationalUnit	Certificate (Issuer), Certificate (Subject)	string	The name of the unit or division of the organization of the entity.
OriginOfCondition	Event (Events)	object	This indicates the resource that originated the condition that caused the event to be generated.
	LogEntry (Links)	object	This is the URI of the resource that caused the log entry.
OriginResource	EventService (SSEFilterPropertiesSupported)	boolean	This indicates if the OriginResource property is supported.
OriginResources	EventDestination	array	A list of resources for which the service will only send related events. If this property is absent or the array is empty, then Events originating from any resource will

			be sent to the subscriber.
OutputWattage	Power (PowerSupplies > InputRanges)	number	The maximum capacity of this Power Supply when operating in this input range.
OverWritePolicy	LogService	string (enum)	The overwrite policy for this service that takes place when the log is full.
OverwriteUnit (Action)	Memory (Actions)	object	This defines the action for securely erasing given regions using the NIST SP800-88 Purge: Overwrite.
OwningEntity	AttributeRegistry, MessageRegistry	string	This is the organization or company that publishes this registry.
PATCH	PrivilegeRegistry (Mappings > OperationMap), PrivilegeRegistry (Mappings > PropertyOverrides > OperationMap), PrivilegeRegistry (Mappings > ResourceURIOverrides > OperationMap), PrivilegeRegistry (Mappings > SubordinateOverrides > OperationMap)	array	Indicates privilege required for HTTP PATCH operation.
PCle	Processor (FPGA > ExternalInterfaces), Processor (FPGA > HostInterface)	object	Describes the PCI-e related information about this FPGA interface.
PCleDevice	PCleSlots (Slots > Links)	array	An array of references to the PCIe Devices contained in this slot.
	Processor (Links)	object	A reference to the PCIeDevice associated with this Processor.
	PCleFunction (Links)	object	A reference to the PCIeDevice on which this function resides.
PCleDevices	ComputerSystem	array	A reference to a collection of PCIe Devices used by this computer system.
	Chassis (Links)	array	An array of references to the PCIe Devices located in this Chassis.
	NetworkAdapter (Controllers > Links)	array	An array of references to the PCIeDevices associated with this Network Controller.
PCleFunction	NetworkDeviceFunction (Links)	object	A reference to the PCIeFunction associated with this Network Device Function.
PCleFunctions	ComputerSystem	array	A reference to a collection of PCIe Functions used by this computer system.
	PCleDevice (Links)	array	An array of references to PCIeFunctions exposed by this

			device.
	Drive (Links)	array	An array of references to the PCIe Functions which the drive produces.
	Storage (StorageControllers > Links)	array	An array of references to the PCIe Functions which the storage controller produces.
	Processor (Links)	array	An array of references to the PCIeFunctions associated with this Processor.
	AccelerationFunction (Links)	array	An array of references to the PCIeFunctions associated with this acceleration function.
PCIeInterface	PCIeDevice	object	The PCIe interface details for this PCIe device.
	NetworkAdapter (Controllers), Storage (StorageControllers)	object	The PCIe interface details for this controller.
PCIeSlots	Chassis	object	A reference to the PCIe Slot properties of this chassis.
PCIeType	PCIeDevice (PCIeInterface)	string (enum)	The version of the PCIe specification in use by this device.
	PCIeSlots (Slots)	string (enum)	This is the PCIe specification supported by this slot.
PCIeVirtualFunctions	Processor (FPGA)	integer	The number of the PCIe Virtual Functions.
POST	PrivilegeRegistry (Mappings > OperationMap), PrivilegeRegistry (Mappings > PropertyOverrides > OperationMap), PrivilegeRegistry (Mappings > ResourceURIOverrides > OperationMap), PrivilegeRegistry (Mappings > SubordinateOverrides > OperationMap)	array	Indicates privilege required for HTTP POST operation.
PUT	PrivilegeRegistry (Mappings > OperationMap), PrivilegeRegistry (Mappings > PropertyOverrides > OperationMap), PrivilegeRegistry (Mappings > ResourceURIOverrides > OperationMap), PrivilegeRegistry (Mappings > SubordinateOverrides > OperationMap)	array	Indicates privilege required for HTTP PUT operation.
Parameters	ActionInfo	array	The parameters associated with the specified Redfish Action.
Parity	SerialInterface	string (enum)	The type of parity used by the sender and receiver in order to

			detect errors over the serial connection.
PartNumber	<i>various</i> (Assembly (Assemblies), Chassis ...)	string	Part number for this resource or device.
PassphraseCapable	Memory (SecurityCapabilities)	boolean	Memory passphrase set capability.
PassphraseEnabled	Memory (Regions)	boolean	Indicates if the passphrase is enabled for this region.
PassphraseLockLimit	Memory (SecurityCapabilities)	integer	Maximum number of incorrect passphrase attempts allowed before memory is locked.
PassphraseState	Memory (Regions)	boolean	State of the passphrase for this region.
Password	VirtualMedia	string	The password to be used when accessing the URI specified by the Image parameter. This property is null on a GET.
	Session	string	This property is used in a POST to specify a password when creating a new session. This property is null on a GET.
	AccountService (ActiveDirectory > Authentication), AccountService (LDAP > Authentication), ExternalAccountProvider (Authentication)	string	This property is used with a PATCH or PUT to write the password for the account service. This property is null on a GET.
	ManagerAccount	string	This property is used with a PATCH or PUT to write the password for the account. This property is null on a GET.
PasswordChangeRequired	ManagerAccount	boolean	Indicates that the password for this account must be changed. The service requires the password to be changed before access is allowed.
Payload	Job	object	The HTTP and JSON payload details for this job.
	Task	object	The HTTP and JSON payload details for this task.
PciClassCode	Endpoint (ConnectedEntities)	string	The Class Code, Subclass code, and Programming Interface code of this PCIe function.
PciFunctionNumber	Endpoint (ConnectedEntities)	integer	The PCI ID of the connected entity.
Pcild	Endpoint	object	The PCI ID of the endpoint.
PeakPowerBudgetMilliWatts	Memory (PowerManagementPolicy)	integer	Peak power budget in milli watts.

PeakReading	Sensor	number	The peak reading value for this sensor.
PeakReadingTime	Sensor	string	The time at which the Peak Reading value occurred.
PercentComplete	Task	integer	The completion percentage of this Task.
	Job	integer	The completion percentage of this job.
PercentageComplete	Drive (Operations)	integer	The percentage of the operation that has been completed.
	Volume (Operations)	number	The percentage of the operation that has been completed.
PerformanceDegraded	MemoryMetrics (HealthData)	boolean	Performance degraded mode status.
PermanentMACAddress	EthernetInterface	string	This is the permanent MAC address assigned to this interface (port).
	NetworkDeviceFunction (Ethernet)	string	This is the permanent MAC address assigned to this network device function (physical function).
PermanentWWNN	NetworkDeviceFunction (FibreChannel)	string	This is the permanent WWNN address assigned to this network device function (physical function).
PermanentWWPN	NetworkDeviceFunction (FibreChannel)	string	This is the permanent WWPN address assigned to this network device function (physical function).
PersistentCacheSizeMiB	Storage (StorageControllers > CacheSummary)	integer	The portion of the cache memory that is persistent, measured in MiB.
PersistentRegionNumberLimit	Memory	integer	Total number of persistent regions this Memory can support.
PersistentRegionSizeLimitMiB	Memory	integer	Total size of persistent regions in mebibytes (MiB).
PersistentRegionSizeMaxMiB	Memory	integer	Maximum size of a single persistent region in mebibytes (MiB).
PhysicalContext	Thermal (Fans)	string (enum)	Describes the area or device associated with this fan.
	Assembly (Assemblies)	string (enum)	Describes the area or device to which this assembly data applies.
	Sensor	string (enum)	Describes the area or device to which this sensor measurement applies.
	Thermal (Temperatures)	string (enum)	Describes the area or device to which this temperature measurement applies.

	Power (Voltages)	string (enum)	Describes the area or device to which this voltage measurement applies.
	Power (PowerControl)	string (enum)	Describes the area, device, or set of devices to which this power control applies.
	MetricDefinition	string (enum)	Specifies the physical context of the metric.
PhysicalLocation	Drive	object	The Location of the drive.
PhysicalPortAssignment	NetworkDeviceFunction (Links), NetworkDeviceFunction	object	The physical port that this network device function is currently assigned to.
PhysicalPortNumber	NetworkPort	string	The physical port number label for this port.
PhysicalSecurity	Chassis	object	The state of the physical security sensor.
PhysicalSubContext	Sensor	string (enum)	Describes the usage or location within a device to which this sensor measurement applies.
PinOut	SerialInterface	string (enum)	The physical pin configuration needed for a serial connector.
PolicyEnabled	Memory (PowerManagementPolicy)	boolean	Power management policy enabled status.
Port	<i>various</i> (ManagerNetworkProtocol (DHCP), ManagerNetworkProtocol (DHCPv6) ...)	integer	Indicates the protocol port.
	Endpoint (IPTransportDetails)	number	The UDP or TCP port number used by the Endpoint.
PortId	Port	string	This is the label of this port on the physical package for this port.
PortMaximumMTU	NetworkPort	integer	The largest maximum transmission unit (MTU) that can be configured for this network port.
PortProtocol	Port	string (enum)	The protocol being sent over this port.
PortType	Port	string (enum)	This is the type of this port.
Ports	Endpoint (Links)	array	An array of references to the the physical ports associated with this endpoint.
	Switch	object	A collection of references to the ports for this switch.
	Storage (StorageControllers)	object	This object describes the Ports that exist on the storage controller.

Power	Chassis	object	A reference to the power properties (power supplies, power policies, sensors) of this chassis.
PowerAllocatedWatts	Power (PowerControl)	number	The total amount of power that has been allocated (or budgeted) to chassis resources.
PowerAvailableWatts	Power (PowerControl)	number	The amount of power not already budgeted and therefore available for additional allocation. (powerCapacity - powerAllocated). This indicates how much reserve power capacity is left.
PowerCapacityWatts	Power (PowerSupplies)	number	The maximum capacity of this Power Supply.
	Power (PowerControl)	number	The total amount of power available to the chassis for allocation. This may be the power supply capacity, or power budget assigned to the chassis from an up-stream chassis.
PowerConsumedWatts	Power (PowerControl)	number	The actual power being consumed by the chassis.
PowerControl	Power	array	This is the definition for power control function (power reading/limiting).
PowerFactor	Sensor	number	The power factor for this Sensor.
PowerInputWatts	Power (PowerSupplies)	number	The measured input power of this Power Supply.
PowerLimit	Power (PowerControl)	object	Power limit status and configuration information for this chassis.
PowerManagementPolicy	Memory	object	Power management policy information.
PowerMetrics	Power (PowerControl)	object	Power readings for this chassis.
PowerOutputWatts	Power (PowerSupplies)	number	The measured output power of this Power Supply.
PowerRequestedWatts	Power (PowerControl)	number	The potential power that the chassis resources are requesting which may be higher than the current level being consumed since requested power includes budget that the chassis resource wants for future use.
PowerRestorePolicy	ComputerSystem	string (enum)	The desired power state of the system when power is restored after a power loss.
PowerState	Chassis	string (enum)	The current power state of the chassis.
	Manager	string	This is the current power state of

		(enum)	the Manager.
	Switch	string (enum)	This is the current power state of the switch.
	ComputerSystem	string (enum)	This is the current power state of the system.
PowerSupplies	Power	array	Details of the power supplies associated with this system or device.
PowerSupplyType	Power (PowerSupplies)	string (enum)	The Power Supply type (AC or DC).
PowerWatts	AccelerationFunction	integer	The acceleration function power consumption.
PoweredBy	Chassis (Links)	array	An array of ID[s] of resources that power this chassis. Normally the ID will be a chassis or a specific set of Power Supplies.
	ComputerSystem (Links)	array	An array of ID[s] of resources that power this computer system. Normally the ID will be a chassis or a specific set of Power Supplies.
Precedence	EthernetInterface (IPv6AddressPolicyTable)	integer	The IPv6 Precedence (as defined in RFC 6724 section 2.1).
Precision	MetricDefinition	integer	Number of significant digits in the metric reading.
	Sensor	number	Number of significant digits in the Reading.
PredictedMediaLifeLeftPercent	Drive, MemoryMetrics (HealthData)	number	The percentage of reads and writes that are predicted to still be available for the media.
Prefix	EthernetInterface (IPv6AddressPolicyTable)	string	The IPv6 Address Prefix (as defined in RFC 6724 section 2.1).
PrimaryDNS	NetworkDeviceFunction (iSCSIBoot)	string	The IPv6 or IPv4 address of the primary DNS server for the iSCSI boot initiator.
PrimaryLUN	NetworkDeviceFunction (iSCSIBoot)	integer	The logical unit number (LUN) for the primary iSCSI boot target.
PrimaryTargetIPAddress	NetworkDeviceFunction (iSCSIBoot)	string	The IP address (IPv6 or IPv4) for the primary iSCSI boot target.
PrimaryTargetName	NetworkDeviceFunction (iSCSIBoot)	string	The name of the iSCSI primary boot target.
PrimaryTargetTCPPort	NetworkDeviceFunction (iSCSIBoot)	integer	The TCP port for the primary iSCSI boot target.
PrimaryVLANEnable	NetworkDeviceFunction (iSCSIBoot)	boolean	This indicates if the primary VLAN is enabled.
PrimaryVLANId	NetworkDeviceFunction	integer	The 802.1q VLAN ID to use for

	(iSCSIBoot)		iSCSI boot from the primary target.
Privilege	<i>various</i> (PrivilegeRegistry (Mappings > OperationMap > DELETE), PrivilegeRegistry (Mappings > OperationMap > GET) ...)	array	Lists the privileges that are allowed to perform the given type of HTTP operation on the entity type.
PrivilegeMap	AccountService	object	A reference to the Privilege mapping that defines the privileges needed to perform a requested operation on a URI associated with this service.
PrivilegesUsed	PrivilegeRegistry	array	Lists the set of Redfish standard privileges used in building this mapping.
ProcessorArchitecture	Processor	string (enum)	The architecture of the processor.
ProcessorId	Processor	object	Identification information for this processor.
ProcessorMemory	Processor	array	The memory directly attached or integrated within this Processor.
ProcessorSummary	ComputerSystem	object	This object describes the central processors of the system in general detail.
ProcessorType	Processor	string (enum)	The type of processor.
Processors	ResourceBlock	array	An array of references to the Processors available in this Resource Block.
	Chassis (Links)	array	An array of references to the Processors located in this Chassis.
	ComputerSystem	object	A reference to the collection of Processors associated with this system.
Producer	Assembly (Assemblies)	string	Producer or manufacturer of the Assembly.
Product	ServiceRoot	string	The product associated with this Redfish service.
ProductName	AttributeRegistry (SupportedSystems)	string	The product name of the system.
ProductionDate	Assembly (Assemblies)	string	Production date of the Assembly.
ProgrammableFromHost	Processor (FPGA)	boolean	This flag indicates if the FPGA firmware can be reprogrammed from the host using system software.
	Processor (FPGA > ReconfigurationSlots)	boolean	This flag indicates if the reconfiguration slot can be reprogrammed from the host using

			system software.
PropertyOverrides	PrivilegeRegistry (Mappings)	array	Indicates privilege overrides of property or element within a entity.
Protocol	Drive	string (enum)	The protocol this drive is using to communicate to the storage controller.
	EventDestination	string (enum)	The protocol type of the event connection.
ProtocolEnabled	<i>various</i> (ManagerNetworkProtocol (DHCP), ManagerNetworkProtocol (DHCPv6) ...)	boolean	Indicates if the protocol is enabled or disabled.
ProtocolFeaturesSupported	ServiceRoot	object	Contains information about protocol features supported by the service.
PublicationUri	JsonSchemaFile (Location), MessageRegistryFile (Location)	string	Link to publicly available (canonical) URI for schema.
RDP	ManagerNetworkProtocol	object	Settings for this Manager's Remote Desktop Protocol support.
RFB	ManagerNetworkProtocol	object	Settings for this Manager's Remote Frame Buffer protocol support, which can be used to support VNC.
RankCount	Memory	integer	Number of ranks available in the Memory.
ReactiveVAR	Sensor	number	The square root of the difference term of squared ApparentVA and squared Power (Reading) for a circuit, expressed in VAR units.
ReadOnly	AttributeRegistry (RegistryEntries > Attributes)	boolean	The read-only state of this attribute.
	AttributeRegistry (RegistryEntries > Menus)	boolean	The read-only state of this menu.
Reading	Thermal (Fans)	integer	Current fan speed.
	Sensor	number	The present value for this Sensor.
	Sensor (Thresholds > LowerCaution), Sensor (Thresholds > LowerCritical), Sensor (Thresholds > LowerFatal), Sensor (Thresholds > UpperCaution), Sensor (Thresholds > UpperCritical), Sensor (Thresholds > UpperFatal), Triggers (NumericThresholds > LowerCritical),	number	The threshold value.

	Triggers (NumericThresholds > LowerWarning), Triggers (NumericThresholds > UpperCritical), Triggers (NumericThresholds > UpperWarning)		
ReadingCelsius	Thermal (Temperatures)	number	Temperature.
ReadingRangeMax	Sensor	number	The maximum value of Reading possible for this Sensor.
ReadingRangeMin	Sensor	number	The minimum value of Reading possible for this Sensor.
ReadingType	Sensor	string (enum)	The kind of sensor being represented.
ReadingUnits	Sensor	string	Units in which the reading and thresholds are measured.
	Thermal (Fans)	string (enum)	Units in which the reading and thresholds are measured.
ReadingVolts	Power (Voltages)	number	The present reading of the voltage sensor.
RebuildRatePercent	Storage (StorageControllers > ControllerRates)	integer	The percentage of controller resources used for rebuilding/repairing volumes.
ReconfigurationSlots	Processor (FPGA)	array	An array of the FPGA reconfiguration slots. A reconfiguration slot is used by an FPGA to contain an acceleration function that can change as the FPGA is being provisioned.
RedfishVersion	ServiceRoot	string	The version of the Redfish service.
Redundancy	ComputerSystem	array	A reference to a collection of Redundancy entities that each name a set of computer systems that provide redundancy for this ComputerSystem.
	Endpoint	array	Redundancy information for the lower level endpoints supporting this endpoint.
	Manager	array	Redundancy information for the managers of this system.
	Power	array	Redundancy information for the power subsystem of this system or device.
	Storage	array	Redundancy information for the storage subsystem.
	Switch	array	Redundancy information for the switches.
	Thermal (Fans), Thermal	array	This structure is used to show redundancy for fans. The

			Component ids will reference the members of the redundancy groups.
	Power (PowerSupplies)	array	This structure is used to show redundancy for power supplies. The Component ids will reference the members of the redundancy groups.
RegionId	MemoryChunks (InterleaveSets)	string	DIMM region identifier.
	Memory (Regions)	string	Unique region ID representing a specific region within the Memory.
Regions	Memory	array	Memory regions information within the Memory.
Registries	ServiceRoot	object	This is a link to a collection of Registries.
Registry	MessageRegistryFile	string	The Registry Name, Major, and Minor version. This Registry can reference any type of Registry, such as a Message Registry, Privilege Registry, or Attribute Registry.
RegistryEntries	AttributeRegistry	object	List of all attributes and their metadata for this component.
RegistryPrefix	EventService (SSEFilterPropertiesSupported)	boolean	This indicates if the RegistryPrefix property is supported.
	MessageRegistry	string	This is the single word prefix used to form a messageID structure.
RegistryPrefixes	EventDestination	array	A list of the Prefixes for the Message Registries that contain the MessageIds that will be sent to this event destination.
	EventService	array	A list of the Prefixes of the Message Registries that can be used for the RegistryPrefix property on a subscription. If this property is absent or contains an empty array, the service does not support RegistryPrefix-based subscriptions.
RegistryVersion	AttributeRegistry	string	This is the attribute registry version which is used in the middle portion of a AttributeRegistry.
	MessageRegistry	string	This is the message registry version which is used in the middle portion of a messageID.
Rekey (Action)	Certificate (Actions)	object	This action is used to generate a new key pair for an existing certificate and produce a certificate signing request.
RelatedItem	BootOption,	array	Describes the areas or devices

	Power (PowerControl), Power (PowerSupplies), Power (Voltages), SoftwareInventory, Thermal (Fans), Thermal (Temperatures)		related to this resource.
ReleaseDate	SoftwareInventory	string	Release date of this software.
RemainingSpareBlockPercentage	MemoryMetrics (HealthData)	number	Remaining spare blocks in percentage.
RemoteAccountService	Manager	object	This property contains a reference to the AccountService resource for the remote Manager represented by this resource.
RemoteGroup	AccountService (ActiveDirectory > RemoteRoleMapping), AccountService (LDAP > RemoteRoleMapping), ExternalAccountProvider (RemoteRoleMapping)	string	This property is the name of the remote group (or in the case of a Redfish Service, remote role) that will be mapped to the local role referenced by this entity.
RemoteMemoryBandwidthBytes	ProcessorMetrics	integer	The remote memory bandwidth usage in bytes.
RemoteRedfishServiceUri	Manager	string	This property contains the URI of the Redfish Service Root for the remote Manager represented by this resource.
RemoteRoleMapping	AccountService (ActiveDirectory), AccountService (LDAP), ExternalAccountProvider	array	This property contains a collection of the mapping rules to convert the external account providers account information to the local Redfish Role.
RemoteUser	AccountService (ActiveDirectory > RemoteRoleMapping), AccountService (LDAP > RemoteRoleMapping), ExternalAccountProvider (RemoteRoleMapping)	string	This property is the name of the remote user that will be mapped to the local role referenced by this entity.
RemoveResourceBlock (Action)	ComputerSystem (Actions)	object	This action is used to remove a Resource Block from a system.
Renew (Action)	Certificate (Actions)	object	This action is used to generate a certificate signing request using the existing information and key pair of the certificate.
ReplaceCertificate (Action)	CertificateService (Actions)	object	This action is used to replace an existing certificate.
ReportActions	MetricReportDefinition	array	Specifies the actions to perform when a metric report is generated.
ReportActionsEnum	MetricReportDefinition (ReportActions)	string (enum)	Actions to perform when a metric report is generated.
ReportSequence	MetricReport	string	The current sequence identifier for this metric report.

ReportUpdates	MetricReportDefinition	string (enum)	When logging metric reports, specifies how subsequent metric reports are handled in relationship to an existing metric report created from the metric report definition. Namely, whether to overwrite, append, or create new report resource.
Required	ActionInfo (Parameters)	boolean	Indicates whether the parameter is required to perform this Action.
Reserved	ResourceBlock (CompositionStatus)	boolean	This represents if the Resource Block is reserved by any client.
Reset (Action)	Manager (Actions)	object	The reset action resets/reboots the manager.
	Chassis (Actions)	object	This action is used to reset the chassis. This action resets the chassis, not Systems or other contained resources, although side effects may occur which affect those resources.
	ComputerSystem (Actions)	object	This action is used to reset the system.
	Port (Actions)	object	This action is used to reset this port.
	Switch (Actions)	object	This action is used to reset this switch.
ResetBios (Action)	Bios (Actions)	object	This action is used to reset the BIOS attributes to default.
ResetKeys (Action)	SecureBoot (Actions)	object	This action is used to reset the Secure Boot keys.
ResetRequired	AttributeRegistry (RegistryEntries > Attributes)	boolean	True if changing the value of this attribute requires a system or device reset in order to take effect.
ResetSettingsToDefault (Action)	NetworkAdapter (Actions)	object	This action is to clear the settings back to factory defaults.
ResetStatistics (Action)	Sensor (Actions)	object	This action is used to reset statistics related to this sensor.
ResidencyPercent	ProcessorMetrics (CoreMetrics > CStateResidency)	number	The percentage of time that the processor or core has spent in this particular level of C-state.
ResourceBlockType	ResourceBlock	array	This property represents the types of resources available on this Resource Block.
ResourceBlocks	Chassis (Links)	array	An array of references to the Resource Blocks located in this Chassis.
	ComputerSystem (Links)	array	An array of references to the Resource Blocks that are used in this Computer System.

	Zone (Links)	array	An array of references to the Resource Blocks that are used in this Zone.
	ServiceRoot	object	A link to a collection of all resource block entities. This collection is intended for implementations that do not contain a Composition Service, but will expose resources to an orchestrator that implements a Composition Service.
	CompositionService	object	The resource blocks available on the service.
ResourceType	EventService (SSEFilterPropertiesSupported)	boolean	This indicates if the ResourceType property is supported.
ResourceTypes	EventService	array	A list of @odata.type values (Schema names) that can be specified in a ResourceType on a subscription. If this property is absent or contains an empty array, the service does not support ResourceType-based subscriptions.
	EventDestination	array	A list of Resource Type values (Schema names) that correspond to the OriginOfCondition. The version and full namespace should not be specified.
ResourceURIOverrides	PrivilegeRegistry (Mappings)	array	Indicates privilege overrides of Resource URI.
ResourceZones	CompositionService	object	The resource zones available on the service.
ResultMetric	MetricDefinition (CalculationParameters)	string	The metric property used to store the results of the calculation.
Revision	Drive	string	The revision of this Drive. This is typically the firmware/hardware version of the drive.
RevisionId	PCleFunction	string	The Revision ID of this PCle function.
Role	ManagerAccount (Links)	object	A reference to the Role object defining Privileges for this account--returned when the resource is read. The ID of the role is the same as property RoleId.
RoleId	ManagerAccount	string	This property contains the Role for this account.
	Role	string	This property contains the name of the Role.
Roles	AccountService	object	A link to a collection of Roles.
RotationSpeedRPM	Drive	number	The rotation speed of this Drive in

			Revolutions per Minute (RPM).
RouterAdvertisementEnabled	NetworkDeviceFunction (iSCSIBoot)	boolean	Whether IPv6 router advertisement is enabled for the iSCSI boot target.
SKU	Assembly (Assemblies), Chassis, ComputerSystem, Drive, NetworkAdapter, PCIeDevice, Storage (StorageControllers), Switch	string	SKU of the product or device.
SNMP	ManagerNetworkProtocol	object	Settings for this Manager's SNMP support.
SRIOV	NetworkAdapter (Controllers > ControllerCapabilities > VirtualizationOffload)	object	Single-Root Input/Output Virtualization (SR-IOV) capabilities.
SRIOVVEPACapable	NetworkAdapter (Controllers > ControllerCapabilities > VirtualizationOffload > SRIOV)	boolean	Whether this controller supports Single Root Input/Output Virtualization (SR-IOV) in Virtual Ethernet Port Aggregator (VEPA) mode.
SSDP	ManagerNetworkProtocol	object	Settings for this Manager's SSDP support.
SSEFilterPropertiesSupported	EventService	object	Contains a set of properties that indicate which properties are supported in the \$filter query parameter for the ServerSentEventUri.
SSH	ManagerNetworkProtocol	object	Settings for this Manager's SSH (Secure Shell) protocol support.
ScalarIncrement	AttributeRegistry (RegistryEntries > Attributes)	integer	The amount to increment or decrement the value of an attribute of type 'Integer' each time a user requests a value change.
Schedule	Job, MetricReportDefinition	object	Specifies the schedule for this job or metric report.
Scheduling	JobService (ServiceCapabilities)	boolean	Indicates whether scheduling of Jobs is supported.
Schema	JsonSchemaFile	string	The @odata.type name this schema describes.
SearchSettings	AccountService (ActiveDirectory > LDAPService), AccountService (LDAP > LDAPService), ExternalAccountProvider (LDAPService)	object	This property contains the settings needed to search an external LDAP service.
SecondaryDNS	NetworkDeviceFunction (iSCSIBoot)	string	The IPv6 or IPv4 address of the secondary DNS server for the iSCSI boot initiator.

SecondaryLUN	NetworkDeviceFunction (iSCSIBoot)	integer	The logical unit number (LUN) for the secondary iSCSI boot target.
SecondaryTargetIPAddress	NetworkDeviceFunction (iSCSIBoot)	string	The IP address (IPv6 or IPv4) for the secondary iSCSI boot target.
SecondaryTargetName	NetworkDeviceFunction (iSCSIBoot)	string	The name of the iSCSI secondary boot target.
SecondaryTargetTCPPort	NetworkDeviceFunction (iSCSIBoot)	integer	The TCP port for the secondary iSCSI boot target.
SecondaryVLANEnable	NetworkDeviceFunction (iSCSIBoot)	boolean	This indicates if the secondary VLAN is enabled.
SecondaryVLANId	NetworkDeviceFunction (iSCSIBoot)	integer	The 802.1q VLAN ID to use for iSCSI boot from the secondary target.
SecureBoot	ComputerSystem	object	A reference to the UEFI SecureBoot resource associated with this system.
SecureBootCurrentBoot	SecureBoot	string (enum)	Secure Boot state during the current boot cycle.
SecureBootEnable	SecureBoot	boolean	Enable or disable UEFI Secure Boot (takes effect on next boot).
SecureBootMode	SecureBoot	string (enum)	Current Secure Boot Mode.
SecureErase (Action)	Drive (Actions)	object	This action is used to securely erase the contents of the drive.
SecureEraseUnit (Action)	Memory (Actions)	object	This defines the action for securely erasing given regions using the NIST SP800-88 Purge: Cryptographic Erase.
SecurityCapabilities	Memory	object	This object contains security capabilities of the Memory.
SecurityState	Memory	string (enum)	The current security state of this Memory.
SecurityStates	Memory (SecurityCapabilities)	array	Security states supported by the Memory.
SelectQuery	ServiceRoot (ProtocolFeaturesSupported)	boolean	This indicates whether the \$select query parameter is supported.
SensingFrequency	Sensor	number	The time interval between readings of the physical sensor.
SensingInterval	MetricDefinition	string	The time interval between when a metric is updated.
SensorNumber	Thermal (Fans)	integer	A numerical identifier to represent the fan speed sensor.
	Thermal (Temperatures)	integer	A numerical identifier to represent the temperature sensor.
	Power (Voltages)	integer	A numerical identifier to represent the voltage sensor.

	LogEntry	integer	This property decodes from EntryType. If the EntryType is SEL, it is the sensor number. If the EntryType is Event, then the count of events. Otherwise, it is OEM specific.
SensorResetTime	Sensor	string	The time at which the time-based properties were last reset.
SensorType	LogEntry	string (enum)	If the EntryType is SEL, this will have the sensor type that the log entry pertains to.
Sensors	Chassis	object	The navigation pointer to the collection of sensors located in the equipment and sub-components.
SerialConsole	Manager	object	Information about the Serial Console service provided by this manager.
SerialInterfaces	Manager	object	This is a reference to a collection of serial interfaces that this manager uses for serial and console communication. It is here that clients will find serial configuration options and settings.
SerialNumber	<i>various</i> (Assembly (Assemblies), Chassis ...)	string	The serial number of this device.
ServerSentEventUri	EventService	string	Link to a URI for receiving Sever Sent Event representations of the events generated by this service.
ServiceAddresses	AccountService (ActiveDirectory), AccountService (LDAP), ExternalAccountProvider	array	This property contains the addresses of the user account providers this resource references. The format of this field depends on the Type.
ServiceCapabilities	JobService	object	This object describes the supported capabilities of this Job Service implementation.
ServiceEnabled	Manager (CommandShell), Manager (GraphicalConsole), Manager (SerialConsole)	boolean	Indicates if the service is enabled for this manager.
	AccountService	boolean	Indicates whether this service is enabled. If set to false, the AccountService is disabled. This means no users can be created, deleted or modified. Any service attempting to access the AccountService resource (for example, the Session Service) will fail. New sessions cannot be started when the service is disabled. However, established sessions may still continue

			operating. This does not affect Basic AUTH connections.
	AccountService (ActiveDirectory), AccountService (LDAP), CompositionService, EventService, ExternalAccountProvider, JobService, LogService, TaskService, UpdateService	boolean	This indicates whether this service is enabled.
	SessionService	boolean	This indicates whether this service is enabled. If set to false, the Session Service is disabled, and new sessions cannot be created, old sessions cannot be deleted, and established sessions may continue operating.
ServiceEntryPointUUID	Manager	string	The UUID of the Redfish Service provided by this manager.
SessionService	ServiceRoot	object	This is a link to the Sessions Service.
SessionTimeout	SessionService	integer	This is the number of seconds of inactivity that a session may have before the session service closes the session due to inactivity.
SessionType	Session	string (enum)	The active session type.
Sessions	ServiceRoot (Links), SessionService	object	Link to a collection of Sessions.
SetDefaultBootOrder (Action)	ComputerSystem (Actions)	object	This action is used to set the Boot Order to the default settings.
SetEncryptionKey (Action)	Storage (Actions)	object	This action is used to set the encryption key for the storage subsystem.
SetPassphrase (Action)	Memory (Actions)	object	Set passphrase for the given regions.
Severity	Event (Events)	string	This is the severity of the event.
	LogEntry	string (enum)	This is the severity of the log entry.
	Triggers (DiscreteTriggers)	string (enum)	This property contains the value of the Severity property in the Event message.
SharingCapable	ResourceBlock (CompositionStatus)	boolean	Indicates if this Resource Block is capable of participating in multiple compositions simultaneously.
SharingEnabled	ResourceBlock (CompositionStatus)	boolean	Indicates if this Resource Block is allowed to participate in multiple compositions simultaneously.

SignalDetected	NetworkPort	boolean	Whether or not the port has detected enough signal on enough lanes to establish link.
SignalType	SerialInterface	string (enum)	The type of signal used for the communication connection - RS232 or RS485.
SimpleStorage	ResourceBlock	array	An array of references to the Simple Storage available in this Resource Block.
	ComputerSystem	object	A reference to the collection of storage devices associated with this system.
SimpleUpdate (Action)	UpdateService (Actions)	object	This action is used to update software components.
SizeMiB	Memory (Regions)	integer	Size of this memory region in mebibytes (MiB).
	MemoryChunks (InterleaveSets)	integer	Size of this memory region measured in mebibytes (MiB).
Slot	Memory (MemoryLocation)	integer	Slot number in which Memory is connected.
SlotId	Processor (FPGA > ReconfigurationSlots)	string	The FPGA reconfiguration slot identifier.
SlotType	PCleSlots (Slots)	string (enum)	This is the PCIe slot type for this slot.
Slots	PCleSlots	array	An array of PCI Slot information.
Socket	Memory (MemoryLocation)	integer	Socket number in which Memory is connected.
	Processor	string	The socket or location of the processor.
SoftwareId	SoftwareInventory	string	A string representing the implementation-specific ID for identifying this software.
SoftwareInventory	UpdateService	object	An inventory of software.
SourceMetric	MetricDefinition (CalculationParameters)	string	The metric property used as the input into the calculation.
SpareBlock	MemoryMetrics (HealthData > AlarmTrips)	boolean	Spare block capacity crossing alarm trip detected status.
SpareDeviceCount	Memory	integer	Number of unused spare devices available in the Memory.
SparePartNumber	Assembly (Assemblies)	string	Spare part number of the Assembly.
	Thermal (Fans)	string	The spare part number for this Fan.
	Power (PowerSupplies)	string	The spare part number for this Power Supply.

SpeedGbps	Storage (StorageControllers)	number	The maximum speed of the storage controller's device interface.
SpeedMHz	Processor (ProcessorMemory)	integer	The operating speed of the memory in MHz.
SpeedMbps	EthernetInterface	integer	This is the current speed in Mbps of this interface.
StartTime	Job	string	The date-time stamp that the job was started or is scheduled to start.
	Task	string	The date-time stamp that the task was last started.
State	Certificate (Issuer), Certificate (Subject)	string	The state, province, or region of the organization of the entity.
StatelessAddressAutoConfig	EthernetInterface	object	Stateless Address Automatic Configuration (SLAAC) parameters for this interface.
StaticNameServers	EthernetInterface	array	A statically defined set of DNS server IP addresses (both IPv4 and IPv6).
Status	<i>various</i> (AccelerationFunction, AccountService ...)	object	This object describes the state and health of the resource and its children.
StatusIndicator	Drive	string (enum)	The state of the status indicator, used to communicate status information about this drive.
Step	Processor (ProcessorId)	string	The Step value for this processor.
StepOrder	Job	array	This represents the serialized execution order of the Job Steps.
Steps	Job	object	A link to a collection of Steps for this Job.
StopBits	SerialInterface	string (enum)	The period of time before the next start bit is transmitted.
Storage	ResourceBlock	array	An array of references to the Storage available in this Resource Block.
	Chassis (Links)	array	An array of references to the storage subsystems connected to or inside this Chassis.
	ComputerSystem	object	A reference to the collection of storage devices associated with this system.
StorageControllers	PCIeFunction (Links)	array	An array of references to the storage controllers which the PCIe device produces.
	Storage	array	The set of storage controllers represented by this resource.

StorageServices	Storage (StorageControllers > Links)	array	An array of references to the StorageServices that connect to this controller.
	ServiceRoot	object	A link to a collection of all storage service entities.
	ComputerSystem (HostedServices)	object	A reference to a collection of storage services supported by this computer system.
StorageSystems	ServiceRoot	object	This is a link to a collection of storage systems.
SubModel	ComputerSystem	string	The sub-model for this system.
SubProcessors	Processor	object	A reference to the collection of Sub-Processors associated with this system, such as cores or threads that are part of a processor.
Subject	Certificate	object	The subject of the certificate.
SubmitTestEvent (Action)	EventService (Actions)	object	This action is used to generate a test event.
SubmitTestMetricReport (Action)	TelemetryService (Actions)	object	This action is used to generate a metric report.
SubordinateOverrides	PrivilegeRegistry (Mappings)	array	Indicates privilege overrides of subordinate resource.
SubordinateResources	EventDestination	boolean	By setting this to true and specifying OriginResources, this indicates the subscription will be for events from the OriginsResources specified and also all subordinate resources. Note that resources associated via the Links section are not considered subordinate.
SubordinateResourcesSupported	EventService	boolean	This indicates if the service supports the SubordinateResource property on Event Subscriptions.
SubscriptionType	EventDestination	string (enum)	Indicates the subscription type for events.
Subscriptions	EventService	object	This is a reference to a collection of Event Destination resources.
SubsystemDeviceID	Memory	string	Subsystem Device ID.
SubsystemId	Endpoint (ConnectedEntities > EntityPcild), Endpoint (Pcild), PCleFunction	string	The Subsystem ID of this PCIe function.
SubsystemVendorID	Memory	string	SubSystem Vendor ID.
SubsystemVendorId	Endpoint (ConnectedEntities > EntityPcild),	string	The Subsystem Vendor ID of this PCIe function.

	Endpoint (Pcild), PCIeFunction		
SupplyingComputerSystems	ComputerSystem (Links)	array	An array of references to ComputerSystems that contribute, in whole or in part, to the implementation of this ComputerSystem.
SupportedCollectionFunctions	TelemetryService	array	The functions that can be performed over each metric.
SupportedControllerProtocols	Storage (StorageControllers)	array	This represents the protocols by which this storage controller can be communicated to.
SupportedDeviceProtocols	Storage (StorageControllers)	array	This represents the protocols which the storage controller can use to communicate with attached devices.
SupportedEthernetCapabilities	NetworkPort	array	The set of Ethernet capabilities that this port supports.
SupportedLinkCapabilities	NetworkPort	array	The self-described link capabilities of this port.
SupportedRAIDTypes	Storage (StorageControllers)	array	This object describes the RAID Types supported by the storage controller.
SupportedSystems	AttributeRegistry	array	Array of systems supported by this attribute registry.
SuppressRepeatedMetricValue	MetricReportDefinition	boolean	A value of true indicates that any Metric in the MetricReport currently be generated will be suppressed and not included in the MetricReport when the value of the Metric equals the value of the same Metric in the previously generated MetricReport. A value of false means that the suppression mechanism is not applied to the MetricReport being generated. A MetricReport may be generated with no MetricProperty array values if all Metrics had the same values as in the previously generated MetricReport.
SwitchType	Switch	string (enum)	The protocol being sent over this switch.
Switches	Chassis (Links)	array	An array of references to the Switches located in this Chassis.
	Fabric	object	A collection of references to the switches contained in this fabric.
SystemId	AttributeRegistry (SupportedSystems)	string	The system ID of the system.
SystemType	ComputerSystem	string	The type of computer system

		(enum)	represented by this resource.
Systems	ServiceRoot	object	This is a link to a collection of Systems.
TDPWatts	Processor	integer	The nominal Thermal Design Power (TDP) in watts.
TargetInfoViaDHCP	NetworkDeviceFunction (iSCSIBoot)	boolean	Whether the iSCSI boot target name, LUN, IP address, and netmask should be obtained from DHCP.
TargetUri	Job (Payload)	string	The URI of the target for this job.
	Task (Payload)	string	The URI of the target for this task.
Targets	PrivilegeRegistry (Mappings > PropertyOverrides), PrivilegeRegistry (Mappings > ResourceURIOverrides), PrivilegeRegistry (Mappings > SubordinateOverrides)	array	Indicates the URI or Entity.
TaskMonitor	Task	string	The URI of the Task Monitor for this task.
TaskState	Task	string (enum)	The state of the task.
TaskStatus	Task	string (enum)	This is the completion status of the task.
Tasks	TaskService	object	References to the Tasks collection.
	ServiceRoot	object	This is a link to the Task Service.
TelemetryService	ServiceRoot	object	This is a link to the TelemetryService.
Telnet	ManagerNetworkProtocol	object	Settings for this Manager's Telnet protocol support.
Temperature	MemoryMetrics (HealthData > AlarmTrips)	boolean	Temperature threshold crossing alarm trip detected status.
TemperatureCelsius	ProcessorMetrics	number	The temperature of the processor.
Temperatures	Thermal	array	This is the definition for temperature sensors.
Thermal	Chassis	object	A reference to the thermal properties (fans, cooling, sensors) of this chassis.
Thresholds	Sensor	object	The set of thresholds defined for this sensor.
ThrottlingCelsius	ProcessorMetrics	number	The CPU margin to throttle (temperature offset in degree Celsius).
TimeoutAction	ComputerSystem (HostWatchdogTimer)	string (enum)	This property indicates the action to perform when the Watchdog Timer reaches its timeout value.

Timestamp	MetricReport	string	The time associated with the metric report in its entirety. The time of the metric report may be relevant when the time of individual metrics are minimally different.
	MetricReport (MetricValues)	string	The time when the value of the metric is obtained. A management application may establish a time series of metric data by retrieving the instances of metric value and sorting them according to their Timestamp.
TimestampAccuracy	MetricDefinition	string	Accuracy of the timestamp.
Token	AccountService (ActiveDirectory > Authentication), AccountService (LDAP > Authentication), ExternalAccountProvider (Authentication)	string	This property is used with a PATCH or PUT to write the token for the account. This property is null on a GET.
TotalCacheSizeMiB	Storage (StorageControllers > CacheSummary)	integer	The total configured cache memory, measured in MiB.
TotalCores	Processor	integer	The total number of cores contained in this processor.
TotalEnabledCores	Processor	integer	The total number of enabled cores contained in this processor.
TotalSwitchWidth	Switch	integer	The total number of lanes, phys, or other physical transport links that this switch contains.
TotalSystemMemoryGiB	ComputerSystem (MemorySummary)	number	The total configured operating system-accessible memory (RAM), measured in GiB.
TotalSystemPersistentMemoryGiB	ComputerSystem (MemorySummary)	number	The total configured, system-accessible persistent memory, measured in GiB.
TotalThreads	Processor	integer	The total number of execution threads supported by this processor.
TransferMethod	VirtualMedia	string (enum)	Transfer method to use with the given Image.
TransferProtocolType	VirtualMedia	string (enum)	Network protocol to use with the image.
TransformationRatePercent	Storage (StorageControllers > ControllerRates)	integer	The percentage of controller resources used for transforming volumes from one configuration to another.
TransportProtocol	Endpoint (IPTransportDetails)	string (enum)	The protocol used by the connection entity.
TriggerActionEnum	Triggers (TriggerActions)	string	Specifies the actions to perform

		(enum)	when a trigger occurs.
TriggerActions	Triggers	array	This property specifies the actions to perform when the trigger occurs.
Triggers	MetricReportDefinition (Links)	array	The triggers that will cause this metric report definition to generate a new metric report upon a trigger occurrence when the TriggerActions property contains the value RedfishMetricReport.
	TelemetryService	object	A link to the collection of Triggers, which apply to metrics.
TrustedModules	ComputerSystem	array	This object describes the array of Trusted Modules in the system.
Type	AttributeRegistry (RegistryEntries > Attributes)	string (enum)	The type of the attribute.
	AttributeRegistry (RegistryEntries > Dependencies)	string (enum)	The type of the dependency structure.
UUID	AccelerationFunction, Chassis, ComputerSystem, Manager, Processor (FPGA > ReconfigurationSlots), Processor, ServiceRoot	string	The Universal Unique Identifier (UUID) for this device.
UefiDevicePath	EthernetInterface	string	The UEFI device path for this interface.
	AttributeRegistry (RegistryEntries > Attributes)	string	The UEFI device path that qualifies this attribute.
	BootOption	string	The UEFI device path used to access this UEFI Boot Option.
	SimpleStorage	string	The UEFI device path used to access this storage controller.
UefiDevicePaths	SoftwareInventory	array	A list of strings representing the UEFI Device Path(s) of the component(s) associated with this software inventory item.
UefiKeywordName	AttributeRegistry (RegistryEntries > Attributes)	string	The UEFI KeywordString of the attribute.
UefiNamespaceId	AttributeRegistry (RegistryEntries > Attributes)	string	The UEFI NamespaceId of the attribute.
UefiTargetBootSourceOverride	ComputerSystem (Boot)	string	This property is the UEFI Device Path of the device to boot from when BootSourceOverrideTarget is UefiTarget.
UncorrectableECCErrors	MemoryMetrics (HealthData > AlarmTrips)	boolean	Uncorrectable data error threshold crossing alarm trip detected

			status.
UnhaltedCycles	ProcessorMetrics (CoreMetrics)	number	The unhalted cycles count of this core.
Units	MetricDefinition	string	The units of measure for this metric.
UnlockUnit (Action)	Memory (Actions)	object	This defines the action for unlocking given regions.
UpdateService	ServiceRoot	object	This is a link to the UpdateService.
Updateable	SoftwareInventory	boolean	Indicates whether this software can be updated by the update service.
UpperBound	AttributeRegistry (RegistryEntries > Attributes)	integer	The upper limit of the value of an attribute of type 'Integer'.
UpperCaution	Sensor (Thresholds)	object	Above normal range.
UpperCritical	Triggers (NumericThresholds)	object	Above normal range and requires attention.
	Sensor (Thresholds)	object	Above normal range but not yet fatal.
UpperFatal	Sensor (Thresholds)	object	Above normal range and fatal.
UpperThresholdCritical	Thermal (Fans)	integer	Above normal range but not yet fatal.
	Power (Voltages), Thermal (Temperatures)	number	Above normal range but not yet fatal.
UpperThresholdFatal	Thermal (Fans)	integer	Above normal range and is fatal.
	Power (Voltages), Thermal (Temperatures)	number	Above normal range and is fatal.
UpperThresholdNonCritical	Thermal (Fans)	integer	Above normal range.
	Power (Voltages), Thermal (Temperatures)	number	Above normal range.
UpperWarning	Triggers (NumericThresholds)	object	Above normal range.
Uri	JsonSchemaFile (Location), MessageRegistryFile (Location)	string	Link to locally available URI for schema.
UseDNSServers	EthernetInterface (DHCPv4)	boolean	Determines whether to use DHCPv4-supplied DNS servers.
	EthernetInterface (DHCPv6)	boolean	When enabled, DNS server addresses supplied through DHCPv6 stateless mode will be used.
UseDomainName	EthernetInterface (DHCPv4)	boolean	Determines whether to use a DHCPv4-supplied domain name.
	EthernetInterface (DHCPv6)	boolean	When enabled, the domain name supplied through DHCPv6 stateless mode will be used.

UseGateway	EthernetInterface (DHCPv4)	boolean	Determines whether to use a DHCPv4-supplied gateway.
UseNTPServers	EthernetInterface (DHCPv4)	boolean	Determines whether to use DHCPv4-supplied NTP servers.
	EthernetInterface (DHCPv6)	boolean	When enabled, NTP server addresses supplied through DHCPv6 stateless mode will be used.
UseRapidCommit	EthernetInterface (DHCPv6)	boolean	Determines whether to use DHCPv6 rapid commit mode for stateful mode address assignments. Do not enable in networks where more than one DHCPv6 server is configured to provide address assignments.
UseStaticRoutes	EthernetInterface (DHCPv4)	boolean	Determines whether to use DHCPv4-supplied static routes.
UserName	Session	string	The UserName for the account for this session.
	VirtualMedia	string	The username to be used when accessing the URI specified by the Image parameter.
	ManagerAccount	string	This property contains the user name for the account.
UserPercent	ProcessorMetrics	number	The percentage of time spent in user mode.
Username	AccountService (ActiveDirectory > Authentication), AccountService (LDAP > Authentication), ExternalAccountProvider (Authentication)	string	This property contains the user name for the account service.
UsernameAttribute	AccountService (ActiveDirectory > LDAPService > SearchSettings), AccountService (LDAP > LDAPService > SearchSettings), ExternalAccountProvider (LDAPService > SearchSettings)	string	The attribute name that contains the Username on the user LDAP entry.
VLAN	EthernetInterface, NetworkDeviceFunction (Ethernet)	object	If this Network Interface supports more than one VLAN, this property is not present. VLANs collections appear in the Link section of this resource.
VLANEnable	VLANNetworkInterface	boolean	This indicates if this VLAN is enabled.
VLANId	VLANNetworkInterface	integer	This indicates the VLAN identifier for this VLAN.

VLANs	EthernetInterface, NetworkDeviceFunction (Ethernet)	object	This is a reference to a collection of VLANs and is only used if the interface supports more than one VLANs.
ValidNotAfter	Certificate	string	The date when the certificate is no longer valid.
ValidNotBefore	Certificate	string	The date when the certificate becomes valid.
Value	AttributeRegistry (RegistryEntries > Attributes)	array	The array containing possible values for attributes of type 'Enumeration'.
	Triggers (DiscreteTriggers)	string	The value of the discrete metric that constitutes a trigger occurrence.
ValueDisplayName	AttributeRegistry (RegistryEntries > Attributes > Value)	string	A user-readable display string of the value of the attribute in the defined 'Language'.
ValueExpression	AttributeRegistry (RegistryEntries > Attributes)	string	A regular expression that is used to validate the value of the attribute. This is only applicable to attributes of type 'String' or 'Integer'.
ValueName	AttributeRegistry (RegistryEntries > Attributes > Value)	string	The unique value name of the attribute.
Values	MetricDefinition (Wildcards), MetricReportDefinition (Wildcards), Triggers (Wildcards)	array	An array of values to substitute for the wildcard.
Vendor	ServiceRoot	string	The vendor or manufacturer associated with this Redfish service.
	Assembly (Assemblies)	string	Vendor of the Assembly.
VendorID	Memory	string	Vendor ID.
VendorId	Endpoint (ConnectedEntities > EntityPcild), Endpoint (Pcild), PCleFunction	string	The Vendor ID of this PCIe function.
	NetworkPort	string	The Vendor Identification for this port.
	Processor (ProcessorId)	string	The Vendor Identification for this processor.
Version	SoftwareInventory	string	A string representing the version of this software.
	AccelerationFunction	string	The acceleration function version.
	Assembly (Assemblies)	string	Version of the Assembly.
VirtualFunction	NetworkAdapter (Controllers >	object	The virtual function of the

	ControllerCapabilities > VirtualizationOffload)		controller.
VirtualFunctionsEnabled	NetworkDeviceFunction	boolean	Whether Single Root I/O Virtualization (SR-IOV) Virtual Functions (VFs) are enabled for this Network Device Function.
VirtualMedia	ManagerNetworkProtocol	object	Settings for this Manager's Virtual Media support.
	Manager	object	This is a reference to the Virtual Media services for this particular manager.
VirtualizationOffload	NetworkAdapter (Controllers > ControllerCapabilities)	object	Virtualization offload for this controller.
VolatileRegionNumberLimit	Memory	integer	Total number of volatile regions this Memory can support.
VolatileRegionSizeLimitMiB	Memory	integer	Total size of volatile regions in mebibytes (MiB).
VolatileRegionSizeMaxMiB	Memory	integer	Maximum size of a single volatile region in mebibytes (MiB).
VolatileSizeMiB	Memory	integer	Total size of the volatile portion memory in MiB.
VoltageType	Sensor	string (enum)	The voltage type (AC or DC) for this sensor.
Voltages	Power	array	This is the definition for voltage sensors.
VolumeType	Volume	string (enum)	The type of this volume.
Volumes	Drive (Links)	array	An array of references to the volumes contained in this drive. This will reference Volumes that are either wholly or only partly contained by this drive.
	Storage	object	The set of volumes produced by the storage controllers represented by this resource.
WWNN	NetworkDeviceFunction (FibreChannel)	string	This is the currently configured WWNN address of the network device function (physical function).
WWNSource	NetworkDeviceFunction (FibreChannel)	string (enum)	The configuration source of the WWNs for this connection (WWPN and WWNN).
WWPN	NetworkDeviceFunction (FibreChannel > BootTargets)	string	The World-Wide Port Name to boot from.
	NetworkDeviceFunction (FibreChannel)	string	This is the currently configured WWPN address of the network device function (physical function).
WakeOnLANEnabled	NetworkPort	boolean	Whether Wake on LAN (WoL) is

			enabled for this network port.
WarningAction	ComputerSystem (HostWatchdogTimer)	string (enum)	This property indicates the action to perform when the Watchdog Timer is close (typically 3-10 seconds) to reaching its timeout value.
WarningText	AttributeRegistry (RegistryEntries > Attributes)	string	The warning text for changing the attribute.
WeightKg	Chassis	number	The weight of the chassis.
Width	Port	integer	The number of lanes, phys, or other physical transport links that this port contains.
WidthMm	Chassis	number	The width of the chassis.
Wildcards	MetricDefinition, MetricReportDefinition, Triggers	array	A list of wildcards and their substitution values to be applied to the entries in the MetricProperties array property.
WriteOnly	AttributeRegistry (RegistryEntries > Attributes)	boolean	Defines whether this attribute is write-only. Such attributes revert back to their initial value after settings are applied.
WriteProtected	VirtualMedia	boolean	Indicates the media is write protected.
Zones	ResourceBlock (Links)	array	An array of references to the Zones in which this Resource Block is bound.
	Fabric	object	A collection of references to the zones contained in this fabric.
iSCSIBoot	NetworkDeviceFunction	object	iSCSI Boot.

Redfish documentation generator

This document was created using the Redfish Documentation Generator utility, which uses the contents of the Redfish schema files (in JSON schema format) to automatically generate the bulk of the text. The source code for the utility is available for download at the DMTF's Github repository located at <http://www.github.com/DMTF/Redfish-Tools>.

ANNEX A

Change log

Version	Date	Description
2019.1	2019-5-03	Release built from Redfish schemas released in DSP8020 version 2019.1
2018.3	2019-1-15	Initial release. Release built from Redfish schemas released in DSP8010 version 2018.3